

State of California
The Resources Agency
DEPARTMENT OF FISH AND GAME
Biogeographic Data Branch
California Natural Diversity Database

SPECIAL ANIMALS (865 taxa)
February 2008

The California Natural Diversity Database (CNDDB) is a continually refined and updated, computerized inventory of location information on the most rare animals, plants, and natural communities in California. The blueprint used to set up the CNDDB was developed by The Nature Conservancy (TNC) in the early 1970's. The California program was started in 1979. TNC has helped to set up similar programs in all 50 states and a number of foreign countries. Collectively these programs are known as the Natural Heritage Network. The "Heritage Methodology" used by all of these programs sets the standards on the information we gather and the procedures we use. In 1999 TNC and the Natural Heritage Network jointly established an independent organization, the Association for Biodiversity Information (ABI), to achieve their mutual goal of using the wealth of biodiversity information in the Heritage Network to support conservation efforts. In November 2001 ABI changed its name to NatureServe. More information the Natural Heritage Network is available on the NatureServe web site: <http://www.natureserve.org>.

"Special Animals" is a general term that refers to all of the taxa the CNDDB is interested in tracking, regardless of their legal or protection status. This list is also referred to as the list of "species at risk" or "special status species". The Department of Fish and Game considers the taxa on this list to be those of greatest conservation need. The species on this list were used in the development of California's Wildlife Action Plan (available at: <http://www.dfg.ca.gov/wildlife/WAP>)

The species on this list generally fall into one or more of the following categories:

- Officially listed or proposed for listing under the State and/or Federal Endangered Species Acts.
- State or Federal candidate for possible listing.
- Taxa which meet the criteria for listing, even if not currently included on any list, as described in Section 15380 of the California Environmental Quality Act Guidelines. (More information on CEQA is available at http://ceres.ca.gov/topic/env_law/ceqa/guidelines/)
- Taxa considered by the Department to be a Species of Special Concern (SSC)
- Taxa that are biologically rare, very restricted in distribution, declining throughout their range, or have a critical, vulnerable stage in their life cycle that warrants monitoring.
- Populations in California that may be on the periphery of a taxon's range, but are threatened with extirpation in California.

- Taxa closely associated with a habitat that is declining in California at an alarming rate (e.g., wetlands, riparian, old growth forests, desert aquatic systems, native grasslands, vernal pools, etc.)
- Taxa designated as a special status, sensitive, or declining species by other state or federal agencies, or non-governmental organization (NGO).

Taxa marked with a “+” to the left of the scientific name are those for which there is location information in the CNDDB Geographic Information System (GIS), as of the date of this list.

Taxa with a “Yes” in the “Notes” column have more information in an end note at the back of the list.

Additional information on the CNDDB is available on the Department of Fish and Game web site at: <http://www.dfg.ca.gov/biogeodata/cnddb> .

Additional information on other Department resource management programs is available at: <http://www.dfg.ca.gov/about/resource-mgmt.html> . The Species Conservation & Recovery Program page at: <http://www.dfg.ca.gov/wildlife/species> is a particularly rich source of information including such topics as “Survey Standards and Guidelines”, “Threats to Wildlife”, “Habitats”, and “Plant and Animal Pictures”.

Element Occurrence (EO) Definition:

The EO definition refers to the types of information we map. For most animal taxa, the CNDDB is interested in information that indicates the presence of a **resident population**. For many birds, however, the CNDDB tracks only nesting locations, (those species are so indicated on the list). It is not necessary to actually locate the nest to confirm breeding status. Any indication of breeding (territorial males, adults carrying nest material, adults carrying food, the presence of newly fledged young, etc.) is acceptable evidence of nesting. For other taxa where we track only a certain part of their range or life history, the area or life stage is indicated on the list.

Mapping Conventions:

Our information is mapped as precisely as possible, based upon the source materials available. Generally, observations/collections within ¼ mile, within continuous habitat, are combined into a single element occurrence (EO).

Taxonomic References and Sources of Additional Information:

We follow the most current published taxonomy. There have been a number of recent taxonomic changes that are reflected in this updated list.

For butterflies we followed the taxonomy used by NatureServe:

<http://www.natureserve.org/explorer/>

For fish we made changes based on the following:

Moyle, P. B. 2002. Inland Fishes of California. University of California Press.

For reptiles and amphibians, most changes are explained and referenced on the Center for North American Herpetology web site: <http://www.cnah.org>. In addition, we made taxonomic changes based on the following papers:

Crother, B. I., J. Boundy, J. A. Campbell, K. de Quieroz, D. Frost, D. M. Green, R. Highton, J. B. Iverson, R. W. McDiarmid, P. A. Meylan, T. W. Reeder, M. E. Seidel, J. W. Sites, Jr., S. G. Tilley, and D. B. Wake. 2003. Scientific and Standard English Names of Amphibians, and Reptiles of North American North of Mexico: Update. *Herpetological Review* 34:198-203.

Feldman, C. R. & J. F. Parham. 2002. Molecular phylogenetics of emydine turtles: Taxonomic revision and the evolution of shell kinesis. *Molecular Phylogenetics and Evolution* 22(3): 388-398.

Hollingsworth, B. D. 1998. The systematics of chuckwallas (*SAUROMALUS*) with a phylogenetic analysis of other iguanid lizards. *Herpetological Monographs* (12):38-191.

Holman, J.A. & U. Fritz. 2001. A new emydine species from the Medial Miocene (Barstovian) of Nebraska, USA with a new generic arrangement for the species of *Clemmys* sensu McDowell (1964) (Reptilia: Testudines: Emydidae). *Zoologische Abhandlungen Staatliches Museum für Tierkunde Dresden* 51(19)321-344.

Mead, Louise S., David R. Clayton, Richard S. Nauman, Deanna H. Olsen, & Michael E. Pfrender. 2005. Newly discovered populations of salamanders from Siskiyou County, California, represent a species distinct from *Plethodon stormi*. *Herpetologica* 61(2): 158-177.

Reeder, T., C. J Cole & H. C. Dessauer. 2002. Phylogenetic Relationships of Whiptail Lizards of the Genus *Cnemidophorus* (Squamata: Teiidae): A Test of monophyly, reevaluation of karyotypic evolution, and review of hybrid origins. *American Museum Novitates* No. 3365. 61pp.

Shaffer, H. Bradley, G. M. Fellers, S. Randal Voss, J. C. Oliver & Gregory B. Pauly. 2004. Species boundaries, phylogeny and conservation genetics of the red-legged frog (*Rana aurora/draytonii*) complex. *Molecular Ecology* (2004) 13, 2667-2677.

Stephens, Patrick R. and John J. Wiens. 2003, Ecological Diversification and Phylogeny of Emydid Turtles. *Biological Journal of the Linnean Society* 79: 577-610.

Vredenburg, V.T., R. Bingham, R. Knapp, J.A.T. Morgan, C. Moritz & D. Wake. 2007. Concordant molecular and phenotypic data delineate new taxonomy and conservation priorities for the endangered mountain yellow-legged frog. *Journal of Zoology* 271 (2007) 361-374.

For birds we made taxonomic changes based on the following papers:

American Ornithologists' Union (AOU). 1998. Check-list of North American birds. Seventh edition. American Ornithologists' Union, Washington, D.C. 829 pp.

Barrowclough, George F., Jeff G. Groth, Lisa A. Mertz and R. J. Gutierrez. 2004. Phylogeographic structure, gene flow and species status in blue grouse (*Dendragapus obscurus*). *Molecular Ecology* (2004) 13, 1911-1922.

Bridge, E. S., A. W. Jones, and A. J. Baker. 2005. A Phylogenetic Framework for the Terns (Sternini) Inferred from mtDNA sequences: Implications for Taxonomy and Plumage Evolution. *Molecular Phylogenetics and Evolution* 35:459-469.

Patten, M. A. 2001. The roles of habitat and signaling in speciation: Evidence from a contact zone of two song sparrow (*Melospiza melodia*) subspecies. Ph.D. dissertation, Univ. Calif., Riverside.

For mammals we made taxonomic changes based on the following papers:

Baker, R. J., L. C. Bradley, R. D. Bradley, J. W. Dragoo, M. D. Engstrom, R. S. Hoffman, C. A. Jones, F. Reid, D. W. Rice, & C. Jones. 2003. Revised Checklist of North American Mammals North of Mexico, 2003. *Museum of Texas Tech University Occasional Papers* 229:1-23.

Bean, C. 2003. An Assessment of the Endangerment Status of the Santa Cruz Kangaroo Rat. MS Thesis, San Jose State University.

Best, T. L., R. K. Chesser, D. A. McCullough, & G. D. Baumgardner. 1996. Genetic and Morphometric Variation in Kangaroo Rats, Genus *Dipodomys*, from Coastal California. *Journal of Mammalogy* 77(3):785-800.

Jones, C. A. & C. N. Baxter. 2004. *Thomomys bottae*. *Mammalian Species* 742:1-14.

Matocq, M. D. 2002. Morphological and Molecular Analysis of a Contact Zone in the *Neotoma fuscipes* complex. *Journal of Mammalogy* 83(3):866-883.

Patton, J. L. & M. A. Smith. 1990. The Evolutionary Dynamics of the Pocket Gopher *Thomomys bottae*, with Emphasis on California Populations. *University of California Publications in Zoology* 123:1-161.

Wehausen, John D., Bleich, Vernon C., and Ramey Rob R. II. 2005. Correct Nomenclature for Sierra Nevada Bighorn Sheep. Calif Fish and Game 91(3):216-218.

CNDDB CONSERVATION STATUS RANKS:

The CNDDB ranking codes are part of the “Heritage Methodology”. It is a shorthand formula that provides information about the status of a taxon, both throughout its entire range and within California. We use the best information available to assign these ranks and they are changed and refined as new information becomes available. More detailed information about the conservation status ranking system can be found at:

<http://www.natureserve.org/explorer/ranking.htm>

CALIFORNIA ENDANGERED SPECIES ACT (CESA) LISTING CODES: The listing status of each species is current as of the date of this list. The most current changes in listing status will be found in the list of “Endangered and Threatened Animals of California”, which the CNDDB updates and issues quarterly (January, April, July, & October).

SE State-listed as Endangered
ST State-listed as Threatened
SCE State candidate for listing as Endangered
SCT State candidate for listing as Threatened
SCD State candidate for delisting

ENDANGERED SPECIES ACT (ESA) LISTING CODES: The listing status is current as of the date of this list. The most current changes in listing status will be found in the list of “Endangered and Threatened Animals of California”, which the CNDDB updates and issues quarterly (January, April, July, & October). Federal listing actions are also available at:

<http://www.epa.gov/fedrgstr/EPA-SPECIES/index.html>

After careful consideration we have removed the USFWS Federal Species of Concern (FSC) designation from this list. The Federal Species of Concern list was not maintained on a statewide basis. The Sacramento field office, with jurisdiction over the central portion of California, maintained a list, but the Ventura, Carlsbad and Arcata offices did not. Therefore, species in the northern and southern parts of the state were not considered. Information on the list maintained by the Sacramento field office is available at:

http://sacramento.fws.gov/es/spp_concern.htm

FE Federally listed as Endangered
FT Federally listed as Threatened
FPE Federally proposed for listing as Endangered
FPT Federally proposed for listing as Threatened
FPD Federally proposed for delisting
FC Federal candidate species (former Category 1 candidates)
SC Species of Concern – list established by National Marine Fisheries Service (NMFS) effective 15 April 2004

OTHER STATUS CODES:

IUCN - The World Conservation Union, through its **Species Survival Commission SSC** assess, on a global scale, the conservation status of species, subspecies, varieties and even selected subpopulations in order to highlight taxa threatened with extinction, and therefore promote their conservation. The SSC is firmly committed to providing the world with the most objective, scientifically-based information on the current status of globally threatened biodiversity. The taxa assessed for the IUCN Red List have been evaluated using the **IUCN Red List Categories and Criteria**. Detailed information on the IUCN and the Red List is available at: <http://www.redlist.org/>.

ABC Green List: The American Bird Conservancy Green List contains all the highest priority birds for conservation in the continental United States and Canada. It builds on the species assessments conducted for many years by Partners in Flight (PIF) for land birds and expands it to include shorebirds, waterbirds and waterfowl. The list is available at: <http://www.abcbirds.org/greenlist.htm> .

AFS: American Fisheries Society categories of risk for marine, estuarine & diadromous fish stocks. These categories are taken from the paper: Musick, J.T. et al. 2000. "Marine, Estuarine, and Diadromous Fish Stocks at Risk of Extinction in North America (Exclusive of Pacific Salmonids). *Fisheries* 25(11):6-30. Species are categorized as vulnerable, threatened, or endangered, to global extinction. The Status of these organisms was determined by applying risk criteria developed from peer-reviewed knowledge and expert scientific opinion. These criteria are 1) rarity, 2) small range and endemics, 3) specialized habitat requirements, and 4) population resilience to decline. Most stocks face more than one risk factor. Life history limitations and habitat degradation are the two most important risk factors.

Audubon: WatchList: WatchList species are those facing population declines and/or threats such as habitat loss on their breeding and wintering grounds, or with limited geographic ranges. The WatchList is a science-based system that focuses attention on at-risk bird species so that limited resources are spent where they are most needed. More information is available at: <http://www.audubon.org/bird/watchlist/index.html>.

BLM: Sensitive: Bureau of Land Management. BLM Manual §6840 defines sensitive species as "...those species that are (1) under status review by the FWS/NMFS; or (2) whose numbers are declining so rapidly that Federal listing may become necessary, or (3) with typically small and widely dispersed populations; or (4) those inhabiting ecological refugia or other specialized or unique habitats." Existing California-BLM policy concerning the designation of sensitive species identifies two conditions that must be met before a species may be considered as BLM sensitive: (1) a significant population of the species must occur on BLM-administered lands, and (2) the potential must exist for improvement of the species' condition through BLM management. The "Sensitive Species" designation is not meant to include federally listed species, proposed species, candidate species or State-listed species. It is BLM policy to provide sensitive species with the same level of

protection that is given federal candidate species. The list is available at:
http://www.blm.gov/ca/pdfs/pa_pdfs/biology_pdfs/SensitiveAnimals.pdf

CDF: Sensitive: California Department of Forestry and Fire Protection. The Board of Forestry classifies as "sensitive species" those species that warrant special protection during timber operations. The list of "sensitive species" is given in §895.1 (Definitions) of the California Forest Practice Rules. The 2005 Forest Practice Rules are available at:
http://www.fire.ca.gov/rsrccmgt_content/downloads/2007FPRulebook_wDiagrams.pdf#page2

DFG: SSC: California Species of Special Concern. It is the goal and responsibility of the Department of Fish and Game to maintain viable populations of all native species. To this end, the Department has designated certain vertebrate species as "Species of Special Concern" because declining population levels, limited ranges, and/or continuing threats have made them vulnerable to extinction. The goal of designating species as "Species of Special Concern" is to halt or reverse their decline by calling attention to their plight and addressing the issues of concern early enough to secure their long term viability. Not all "Species of Special Concern" have declined equally; some species may be just starting to decline, while others may have already reached the point where they meet the criteria for listing as a "Threatened" or "Endangered" species under the State and/or Federal Endangered Species Acts. More information is available on the Department's web site at:
<http://www.dfg.ca.gov/wildlife/species/ssc/index.html>. All of the Species of Special Concern reports are available on-line:

Birds: http://www.dfg.ca.gov/habcon/info/bird_ssc.html.

Information on the updated Bird Species of Special Concern report is available at:

<http://www.dfg.ca.gov/wildlife/species/ssc/birds.html>

Mammals: http://www.dfg.ca.gov/habcon/info/mammal_ssc.html.

Fish: http://www.dfg.ca.gov/habcon/info/fish_ssc.pdf.

Amphibians & Reptiles: http://www.dfg.ca.gov/habcon/info/herp_ssc.pdf.

DFG: Fully Protected: The classification of Fully Protected was the State's initial effort to identify and provide additional protection to those animals that were rare or faced possible extinction. Lists were created for fish, amphibians and reptiles, birds and mammals. Most of the species on these lists have subsequently been listed under the state and/or federal endangered species acts; white-tailed kite, golden eagle, trumpeter swan, northern elephant seal and ring-tailed cat are the exceptions. The white-tailed kite and the golden eagle are tracked in the CNDDB; the trumpeter swan, northern elephant seal and ring-tailed cat are not.

The Fish and Game Code sections dealing with Fully Protected species state that these species "...may not be taken or possessed at any time and no provision of this code or any other law shall be construed to authorize the issuance of permits or licenses to take any fully protected" species, although take may be authorized for necessary scientific research. This language arguably makes the "Fully Protected" designation the strongest and most restrictive regarding the "take" of these species. In 2003 the code sections dealing with

fully protected species were amended to allow the Department to authorize take resulting from recovery activities for state-listed species

More information on Fully Protected species and the take provisions can be found in the Fish and Game Code, (birds at §3511, mammals at §4700, reptiles and amphibians at §5050, and fish at §5515). Additional information on Fully Protected fish can be found in the California Code of Regulations, Title 14, Division 1, Subdivision 1, Chapter 2, Article 4, §5.93. The category of Protected Amphibians and Reptiles in Title 14 has been repealed. The Fish and Game Code is available online at: <http://www.leginfo.ca.gov/cgi-bin/calawquery?codesection=fqc&codebody=&hits=20> Title 14 of the California Code of Regulations is available at:

<http://weblinks.westlaw.com/toc/default.aspx?Abbr=ca%2Dadc&AP=CAT14&ItemKey=CAT14&RP=%2Ftoc%2Fdefault%2Ewl&Service=TOC&RS=WEBL7.09&VR=2.0&SPa=CCR-1000&fragment#CAT14> .

FS: Sensitive: USDA Forest Service defines sensitive species as those plant and animal species identified by a regional forester that are not listed or proposed for listing under the federal Endangered Species Act for which population viability is a concern, as evidenced by significant current or predicted downward trends in population numbers or density, or significant current or predicted downward trends in habitat capability that would reduce a species' existing distribution. Regional Foresters shall identify sensitive species occurring within the region. California is the Pacific Southwest Region (Region 5).The list of sensitive animals for Region 5 is available at:

<http://www.fs.fed.us/r5/projects/sensitive-species/sensitive-animals.pdf>

More information is available at: <http://www.fs.fed.us/r5/projects/sensitive-species/>

FWS: BCC: Fish and Wildlife Service: Birds of Conservation Concern: The goal of the *Birds of Conservation Concern 2002* report is to accurately identify the migratory and non-migratory bird species (beyond those already designated as Federally threatened or endangered) that represent our highest conservation priorities and draw attention to species in need of conservation action. We hope, that by focusing attention on these highest priority species, this report will promote greater study and protection of the habitats and ecological communities upon which these species depend, thereby ensuring the future of healthy avian populations and communities. This report is available at:

<http://www.fws.gov/migratorybirds/reports/BCC2002.pdf>

Marine Mammal Commission: Marine Mammal Species of Special Concern: Section 202 of the Marine Mammal Protection Act directs the Marine Mammal Commission, in consultation with its Committee of Scientific Advisors, to make recommendations to the Department of Commerce, the Department of the Interior, and other federal agencies on research and management actions needed to conserve species of marine mammals. To meet this charge, the Commission devotes special attention to particular species and populations that are vulnerable to various types of human-related activities, impacts, and contaminants. Such species may include marine mammals listed as endangered or threatened under the Endangered Species Act or as depleted under the Marine Mammal

Protection Act. In addition, the Commission often directs special attention to other species or populations of marine mammals not so listed whenever special conservation challenges arise that may affect them. More information on the Marine Mammal Protection Act and the Species of Special Concern list is available at: <http://www.mmc.gov/species>

USBC Watch List: The United States Bird Conservation Watch List. Includes the Partners in Flight (PIF) Watch List, the United States Shorebird Conservation Plan Watch List, and the Waterbird Conservation for the Americas Watch List. This combined watch list is available through the American Bird Conservancy at:

<http://www.abcbirds.org/watchlist/index.htm>. Information on Partners in Flight is available at: <http://www.partnersinflight.org/>. Information on the United States Shorebird Conservation Plan is available at: <http://shorebirdplan.fws.gov/>. Information on the North American Waterbird Conservation Plan is available at: <http://www.pwrc.usgs.gov/nacwcp/testarea/nacwcp/pubs/continentalplan.cfm>.

WBWG: High Priority: The Western Bat Working Group is comprised of agencies, organizations and individuals interested in bat research, management and conservation from the 13 western states and provinces. The goals are (1) to facilitate communication among interested parties and reduce risks of species decline or extinction; (2) to provide a mechanism by which current information on bat ecology, distribution and research techniques can be readily accessed; and (3) to develop a forum to discuss conservation strategies, provide technical assistance and encourage education programs. Species designated as "High Priority" are imperiled or are at high risk of imperilment based on available information on distribution, status, ecology and known threats. More information is available at: <http://www.wbwg.org>.

Xerces Society: Red list of pollinators: The Xerces Society is an international non-profit organization dedicated to protecting biological diversity through invertebrate conservation. The Society advocates for invertebrates and their habitats by working with scientists, land managers, educators, and citizens on conservation and education projects. Their core programs focus on endangered species, native pollinators, and watershed health. More information on the Red list of pollinators is available at: <http://www.xerces.org/>

Table of status code abbreviations

Organization	Abbreviation
American Bird Conservancy Green List	ABC_GL
American Fisheries Society - Endangered	AFS_EN
American Fisheries Society - Threatened	AFS_TH
American Fisheries Society - Vulnerable	AFS_VU
Audubon Watch List	AUDUBON_WL
Bureau of Land Management - Sensitive	BLM_S
Calif Dept of Forestry & Fire Protection - Sensitive	CDF_S
Calif Dept of Fish & Game - Fully Protected	DFG_FP
Calif Dept of Fish & Game - Species of Special Concern	DFG_SSC
Calif Dept of Fish & Game - Watch List	DFG_WL
IUCN - Critically Endangered	IUCN_CR
IUCN - Data Deficient	IUCN_DD
IUCN - Endangered	IUCN_EN
IUCN - Extinct in the Wild	IUCN_EW
IUCN - Extinct	IUCN_EX
IUCN - Least Concern	IUCN_LC
IUCN - Not Evaluated	IUCN_NE
IUCN - Near Threatened	IUCN_NT
IUCN - Vulnerable	IUCN_VU
Marine Mammal Commission - Species of Special Concern	MMC_SSC
National Marine Fisheries Service - Species of Concern	NMFS_SC
United States Bird Conservation Watch List	USBC_WL
U. S. Forest Service - Sensitive	USFS_S
U. S. Fish & Wildlife Service Birds of Conservation Concern	USFWS_BCC
Western Bat Working Group - High Priority	WBWG_H
Western Bat Working Group - Low-Medium Priority	WBWG_LM
Western Bat Working Group - Medium Priority	WBWG_M
Western Bat Working Group - Medium-High Priority	WBWG_MH
Xerces Society - Critically Imperiled	XERCES_CI
Xerces Society - Data Deficient	XERCES_DD
Xerces Society - Imperiled	XERCES_IM
Xerces Society - Vulnerable	XERCES_VU

Special Animals List - February 2008

Invertebrates

Species	Comment	Rank	ESA	CESA	Other Status	Notes
PELECYPODA (clams and mussels)						
+ <i>Anodonta californiensis</i> California floater		G3Q S2?	None	None	USFS:S	
<i>Anodonta oregonensis</i> Oregon floater		G5Q SNR	None	None		
+ <i>Gonidea angulata</i> western ridged mussel		G3 S1S2	None	None		
+ <i>Margaritifera falcata</i> western pearlshell		G4 S2S3?	None	None		
<i>Pisidium ultramontanum</i> fingernail clam		G1 S1	None	None	USFS:S	
GASTROPODA (Snails, slugs and abalone)						
<i>Algamorda newcombiana</i> Newcomb's littorine snail		G1G2 S1S2	None	None	USFS:S	
+ <i>Ammonitella Yatesii</i> tight coin (=Yates' snail)		G1 S1	None	None	IUCN:VU	
+ <i>Ancotrema voyanum</i> hooded lancetooth		G1G2 S1S2	None	None	BLM:S	
+ <i>Assiminea infima</i> Badwater snail		G1 S1	None	None	IUCN:VU	
+ <i>Binneya notabilis</i> Santa Barbara shelled slug		G1 S1	None	None	IUCN:DD	
+ <i>Colligyrus convexus</i> canary dusksnail		G1G2 S1S2	None	None		
+ <i>Eremarionta immaculata</i> white desertsnail		G1 S1	None	None	IUCN:VU	
<i>Eremarionta millepalmarum</i> Thousand Palms desertsnail		G1 S1	None	None	IUCN:VU	
+ <i>Eremarionta morongoana</i> Morongo (=Colorado) desertsnail		G1G3 S1	None	None	IUCN:NT	
+ <i>Eremarionta rowelli bakerensis</i> Baker's desertsnail		G1T1 S1	None	None	IUCN:DD	
+ <i>Eremarionta rowelli mccoiana</i> California Mccoy snail		G1T1 S1	None	None	IUCN:DD	
+ <i>Fluminicola seminalis</i> nugget pebblesnail		G2 S1S2	None	None	USFS:S	
+ <i>Fontelicella sp.</i> Deep Springs fontelicella		G1 S1	None	None		
<i>Haliotis corrugata</i> pink abalone		GNR SNR	None	None	NMFS:SC	
+ <i>Haliotis cracherodii</i> black abalone		G3G4 S3	Proposed Endangered	None	IUCN:CR NMFS:SC	
<i>Haliotis fulgens</i> green abalone		GNR SNR	None	None	NMFS:SC	
<i>Haliotis kamtschatkana</i> pinto abalone		G3G4 S1S3	None	None	IUCN:EN NMFS:SC	
<i>Haliotis sorenseni</i> white abalone		G1 S1	Endangered	None		
+ <i>Haplotrema catalinense</i> Santa Catalina lancetooth		G1 S1	None	None		
+ <i>Haplotrema duranti</i> Durant's snail		G2G3 S2S3	None	None		
+ <i>Helisoma newberryi</i> Great Basin rams-horn		G1Q S1	None	None	USFS:S	
+ <i>Helminthoglypta allynsmithi</i> Merced Canyon shoulderband		G1 S1	None	None	IUCN:VU	
+ <i>Helminthoglypta arrosa monticola</i> mountain shoulderband		G2G3T1 S1	None	None		
+ <i>Helminthoglypta arrosa pomoensis</i> Pomo bronze shoulderband		G2G3T1 S1	None	None	IUCN:DD	

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Invertebrates

Species	Comment	Rank	ESA	CESA	Other Status	Notes
GASTROPODA (Snails, slugs and abalone)						
+ <i>Helminthoglypta ayresiana sanctaerucis</i> Ayer's snail		G1G2T1T2 S1S2	None	None		
+ <i>Helminthoglypta callistoderma</i> Kern shoulderband		G1 S1	None	None	IUCN:EN	
+ <i>Helminthoglypta coelata</i> mesa shoulderband		G1 S1	None	None	IUCN:VU	
+ <i>Helminthoglypta concolor</i> whitefir shoulderband		G1G3 S1S3	None	None		
+ <i>Helminthoglypta hertleini</i> Oregon shoulderband		G1 S1	None	None	BLM:S	
+ <i>Helminthoglypta milleri</i> peak shoulderband		G1 S1	None	None		
+ <i>Helminthoglypta mohaveana</i> Victorville shoulderband		G1 S1	None	None	IUCN:NT	
+ <i>Helminthoglypta nickliniana awania</i> Peninsula coast range shoulderband		G1T1 S1	None	None	IUCN:DD	
+ <i>Helminthoglypta nickliniana bridgesi</i> Bridges' coast range shoulderband		G2T1 S1	None	None	IUCN:DD	
+ <i>Helminthoglypta sequoicola consors</i> redwood shoulderband		G1G2T1 S1	None	None	IUCN:DD	
+ <i>Helminthoglypta stiversiana williamsi</i> Williams' bronze shoulderband		G2G3T1 S1	None	None		
+ <i>Helminthoglypta talmadgei</i> Trinity shoulderband		G1G3 S1S3	None	None	BLM:S	
+ <i>Helminthoglypta taylori</i> westfork shoulderband		G1 S1	None	None		
<i>Helminthoglypta traskii traskii</i> Trask shoulderband		G1G2T1 S1	None	None		
+ <i>Helminthoglypta walkeriana</i> Morro shoulderband (=banded dune) snail		G1 S1	Endangered	None	IUCN:CR	
+ <i>Hesperion plumbeus</i> leaden slug		G1G3 S1S3	None	None		
+ <i>Ipnobius robustus</i> robust tryonia		G1G2 S1	None	None		
+ <i>Juga acutiflora</i> topaz juga		G2 S2	None	None	USFS:S	
+ <i>Juga chacei</i> Chace juga		G1 S1	None	None		
+ <i>Juga occata</i> scalloped juga		G1 S1	None	None	USFS:S	
+ <i>Juga orickensis</i> redwood juga		G2 S1S2	None	None		
<i>Lanx alta</i> highcap Lanx		G2 S1S2	None	None		
<i>Lanx klamathensis</i> scale lanx		G1 S1	None	None		
+ <i>Lanx patelloides</i> kneecap lanx		G2 S2	None	None		
+ <i>Megomphix californicus</i> Natural Bridge megomphix		G1G2 S1S2	None	None		
+ <i>Micrarionta facta</i> Santa Barbara islandsnail		G1G2 S1S2	None	None	IUCN:VU	
+ <i>Micrarionta feralis</i> San Nicolas islandsnail		G1 S1	None	None	IUCN:CR	
+ <i>Micrarionta gabbi</i> San Clemente islandsnail		G1 S1	None	None	IUCN:VU	
+ <i>Micrarionta opuntia</i> pricklypear islandsnail		G1 S1	None	None	IUCN:VU	

Invertebrates

Species	Comment	Rank	ESA	CESA	Other Status	Notes
GASTROPODA (Snails, slugs and abalone)						
+ <i>Monadenia callipeplus</i> downy sideband		G1G2 S1S2	None	None		
+ <i>Monadenia chaceana</i> Siskiyou shoulderband		G2 S2	None	None	BLM:S	
+ <i>Monadenia churchi</i> Klamath sideband		G2 S2	None	None		
+ <i>Monadenia circumcarinata</i> keeled sideband		G1 S1	None	None	BLM:S IUCN:VU	
+ <i>Monadenia cristulata</i> crested sideband		G1G2 S1S2	None	None		
+ <i>Monadenia fidelis leonina</i> A terrestrial snail		G4G5T1T2 S1S2	None	None	IUCN:DD	
+ <i>Monadenia fidelis pronotis</i> rocky coast Pacific sideband		G4G5T1 S1	None	None	IUCN:DD	
+ <i>Monadenia infumata ochromphalus</i> yellow-based sideband		G2T1 S1	None	None		
+ <i>Monadenia infumata setosa</i> Trinity bristle snail		G2T2 S2	None	Threatened	IUCN:VU	
<i>Monadenia marmoratis</i> marble sideband		G1 S1	None	None		
+ <i>Monadenia mormonum buttoni</i> Button's Sierra sideband		G1G2T1 S1	None	None	IUCN:DD	
+ <i>Monadenia mormonum hirsuta</i> hirsute Sierra sideband		G1G2T1 S1	None	None	BLM:S IUCN:DD	
+ <i>Monadenia troglodytes troglodytes</i> Shasta sideband		G1G2T1T2 S1S2	None	None	IUCN:DD USFS:S	
<i>Monadenia troglodytes wintu</i> Wintu sideband		G1G2T1T2 S1S2	None	None	USFS:S	
+ <i>Monadenia tuolumneana</i> Tuolumne sideband		G1 S1	None	None	BLM:S	
+ <i>Monadenia yosemitensis</i> Yosemite Mariposa sideband		G1 S1	None	None		
+ <i>Noyo intersessa</i> Ten Mile shoulderband		G2 S2	None	None		
+ <i>Pomatiopsis binneyi</i> robust walker		G1 S1	None	None		
<i>Pomatiopsis californica</i> Pacific walker		G1 S1	None	None		
<i>Pomatiopsis chacei</i> marsh walker		G1 S1	None	None		
+ <i>Pristiloma shepardae</i> Shepard's snail		G1 S1	None	None		
+ <i>Pristincola hemphilli</i> pristine pyrg		G3 S1	None	None		
<i>Prophysaon coeruleum</i> Blue-gray tailedslug	(May be a species complex.)	G3G4 S1S2	None	None	USFS:S	
+ <i>Punctum hawaii</i> Trinity Spot		G1 S1S3	None	None		
+ <i>Pyrgulopsis aardahli</i> Benton Valley (=Aahrdahl's) springsnail		G1 S1	None	None		
+ <i>Pyrgulopsis archimedis</i> Archimedes pyrg		G1 S1	None	None		
+ <i>Pyrgulopsis cineraria</i> Ash Valley pyrg		G1G2 S1S2	None	None		
+ <i>Pyrgulopsis diabolensis</i> Diablo Range pyrg		G1 S1	None	None		
+ <i>Pyrgulopsis eremica</i> Smoke Creek pyrg		G2 S2	None	None		

Special Animals List - February 2008

Invertebrates

Invertebrates

Species	Comment	Rank	ESA	CESA	Other Status	Notes
ARACHNIDA (Spiders and relatives)						
+ <i>Aphrastochthonius grubbsi</i> Grubbs' Cave pseudoscorpion		G1G2 S1S2	None	None		
<i>Aphrastochthonius similis</i> Carlow's Cave pseudoscorpion		G1G2 S1S2	None	None		
<i>Archeolarca aalbui</i> Aalbu's Cave pseudoscorpion		G1G2 S1S2	None	None		
+ <i>Banksula californica</i> Alabaster Cave harvestman		GH SH	None	None		
+ <i>Banksula galilei</i> Galile's cave harvestman		G1 S1	None	None		
+ <i>Banksula grubbsi</i> Grubbs' cave harvestman		G1 S1	None	None		
+ <i>Banksula incredula</i> incredible harvestman		G1 S1	None	None		
+ <i>Banksula martinorum</i> Martins' cave harvestman		G1 S1	None	None		
+ <i>Banksula melones</i> Melones Cave harvestman		G2G3 S2S3	None	None	IUCN:VU	
+ <i>Banksula rudolphi</i> Rudolph's cave harvestman		G1 S1	None	None		
+ <i>Banksula tuolumne</i> Tuolumne cave harvestman		G1 S1	None	None		
+ <i>Banksula tutankhamen</i> King Tut Cave harvestman		G1 S1	None	None		
+ <i>Calicina arida</i> San Benito harvestman		G1 S1	None	None		
+ <i>Calicina breva</i> Stanislaus harvestman		G1 S1	None	None		
+ <i>Calicina cloughensis</i> Clough Cave harvestman		G1 S1	None	None		
+ <i>Calicina conifera</i> Crane Flat harvestman		G1 S1	None	None		
+ <i>Calicina diminua</i> Marin blind harvestman		G1 S1	None	None		
+ <i>Calicina dimorphica</i> Watts Valley harvestman		G1 S1	None	None		
+ <i>Calicina macula</i> marbled harvestman		G1 S1	None	None		
+ <i>Calicina mesaensis</i> Table Mountain harvestman		G1 S1	None	None		
+ <i>Calicina minor</i> Edgewood blind harvestman		G1 S1	None	None		
+ <i>Calicina piedra</i> Piedra harvestman		G1 S1	None	None		
+ <i>Calileptoneta briggsi</i> Briggs' leptonetid spider		G1 S1	None	None		
+ <i>Calileptoneta oasa</i> Andreas Canyon leptonetid spider		G1 S1	None	None		
+ <i>Calileptoneta ubicki</i> Ubick's leptonetid spider		G1 S1	None	None		
+ <i>Calileptoneta wapiti</i> Mendocino leptonetid spider		G1 S1	None	None		
+ <i>Fissilicreagris imperialis</i> Empire Cave pseudoscorpion		G1 S1	None	None	IUCN:VU	
+ <i>Hubbardia idria</i> Idria short-tailed whipscorpion		G1 S1	None	None		
+ <i>Hubbardia secoensis</i> Arroyo Seco short-tailed whipscorpion		G1 S1	None	None		

Special Animals List - February 2008

Invertebrates

Species	Comment	Rank	ESA	CESA	Other Status	Notes
ARACHNIDA (Spiders and relatives)						
+ <i>Hubbardia shoshonensis</i>	Shoshone Cave whip-scorpion	G1 S1	None	None	BLM:S	
+ <i>Larca laceyi</i>	Lacey's Cave pseudoscorpion	G1G2 S1	None	None		
+ <i>Meta dolloff</i>	Dolloff Cave spider	G1 S1	None	None	IUCN:VU	
+ <i>Microcina edgewoodensis</i>	Edgewood Park micro-blind harvestman	G1 S1	None	None		
+ <i>Microcina homi</i>	Hom's micro-blind harvestman	G1 S1	None	None		
+ <i>Microcina jungi</i>	Jung's micro-blind harvestman	G1 S1	None	None		
+ <i>Microcina leei</i>	Lee's micro-blind harvestman	G1 S1	None	None		
+ <i>Microcina lumi</i>	Lum's micro-blind harvestman	G1 S1	None	None		
+ <i>Microcina tiburona</i>	Tiburon micro-blind harvestman	G1 S1	None	None		
+ <i>Neochthonius imperialis</i>	Empire Cave pseudoscorpion	G1 S1	None	None		
<i>Pauroctonus maritimus</i>	Monterey dunes scorpion	GNR SNR	None	None		
+ <i>Pseudogarypus orpheus</i>	Music Hall Cave pseudoscorpion	G1G2 S1	None	None		
+ <i>Socalchemmis gertschi</i>	Gertsch's socalchemmis spider	G1 S1	None	None		
+ <i>Socalchemmis icenoglei</i>	Icenogle's socalchemmis spider	G1 S1	None	None		
+ <i>Socalchemmis monterey</i>	Monterey socalchemmis spider	G1 S1	None	None		
+ <i>Talanites moodyae</i>	Moody's gnaphosid spider	G1G2 S1S2	None	None		
+ <i>Talanites ubicki</i>	Ubick's gnaphosid spider	G1 S1	None	None		
<i>Telema sp.</i>	Santa Cruz telemid spider	G1G2 S1S2	None	None		
<i>Texella deserticola</i>	Whitewater Canyon harvestman	G1 S1	None	None		
+ <i>Texella kokoweeef</i>	Kokoweeef Crystal Cave harvestman	G1 S1	None	None		
+ <i>Texella shoshone</i>	Shoshone Cave harvestman	G1 S1	None	None		
CRUSTACEA, Order Anostraca (fairy shrimp)						
+ <i>Artemia monica</i>	Mono brine shrimp	G1 S1	None	None	IUCN:NT	
+ <i>Branchinecta campestris</i>	pocket pouch fairy shrimp	G4 S1	None	None		
+ <i>Branchinecta conservatio</i>	Conservancy fairy shrimp	G1 S1	Endangered	None	IUCN:EN	
+ <i>Branchinecta longiantenna</i>	longhorn fairy shrimp	G1 S1	Endangered	None	IUCN:EN	
+ <i>Branchinecta lynchi</i>	vernal pool fairy shrimp	G3 S2S3	Threatened	None	IUCN:VU	
+ <i>Branchinecta mesovallensis</i>	midvalley fairy shrimp	G2 S2	None	None		
+ <i>Branchinecta sandiegonensis</i>	San Diego fairy shrimp	G1 S1	Endangered	None	IUCN:EN	
+ <i>Linderiella occidentalis</i>	California linderiella	G3 S2S3	None	None	IUCN:NT	

Invertebrates

Species	Comment	Rank	ESA	CESA	Other Status	Notes
CRUSTACEA, Order Anostraca (fairy shrimp)						
+ <i>Linderiella santarosae</i> Santa Rosa Plateau fairy shrimp		G1G2 S1	None	None		
+ <i>Streptocephalus woottoni</i> Riverside fairy shrimp		G1 S1	Endangered	None	IUCN:EN	
CRUSTACEA, Order Notostraca (tadpole shrimp)						
+ <i>Lepidurus packardi</i> vernal pool tadpole shrimp		G3 S2S3	Endangered	None	IUCN:VU	
CRUSTACEA, Order Anomopoda (water fleas)						
+ <i>Dumontia oregonensis</i> hairy water flea		G1G3 S1	None	None		
CRUSTACEA, Order Isopoda (isopods)						
+ <i>Caecidotea sequoiae</i> Sequoia cave isopod		G1G2 S1S2	None	None		
+ <i>Caecidotea tomaensis</i> Tomales isopod		G2 S2	None	None		
+ <i>Calasellus californicus</i> An isopod		G2G3 S2S3	None	None		
+ <i>Calasellus longus</i> An isopod		G1G2 S1S2	None	None		
CRUSTACEA, Order Amphipoda (amphipods)						
+ <i>Stygobromus gradyi</i> Grady's Cave amphipod		G1 S1	None	None	IUCN:VU	
+ <i>Stygobromus harai</i> Hara's Cave amphipod		G1G2 S1S2	None	None	IUCN:VU	
+ <i>Stygobromus mackenziei</i> Mackenzie's Cave amphipod		G1G2 S1S2	None	None	IUCN:VU	
+ <i>Stygobromus wengerorum</i> Wengerors' Cave amphipod		G1G2 S1S2	None	None	IUCN:VU	
CRUSTACEA, Order Decapoda (crayfish & shrimp)						
+ <i>Pacifastacus fortis</i> Shasta crayfish		G1 S1	Endangered	Endangered	IUCN:CR	
<i>Pacifastacus leniusculus klamathensis</i> Klamath crayfish		G5T5 S3	None	None		
+ <i>Syncaris pacifica</i> California freshwater shrimp		G1 S1	Endangered	Endangered	IUCN:EN	
INSECTA, Order Odonata (dragonflies & damselflies)						
+ <i>Ischnura gemina</i> San Francisco forktail damselfly		G2 S2	None	None		
INSECTA, Order Plecoptera (stoneflies)						
+ <i>Capnia lacustra</i> Lake Tahoe benthic stonefly		G1 S1	None	None		
+ <i>Cosumnoperla hypocrena</i> Cosumnes spring stonefly		G1 S1	None	None		
+ <i>Megaleuctra sierra</i> Shirttail Creek stonefly		G2Q S1?	None	None		
INSECTA, Order Orthoptera (grasshoppers, katydids, and crickets)						
+ <i>Aglaothorax longipennis</i> Santa Monica shieldback katydid		G1G2 S1S2	None	None	IUCN:CR	
+ <i>Ammopelmatus kelsoensis</i> Kelso jerusalem cricket		G1 S1	None	None	IUCN:VU	
+ <i>Ammopelmatus muwu</i> Point Conception jerusalem cricket		G1 S1	None	None	IUCN:VU	
+ <i>Idiostatus kathleenae</i> Pinnacles shieldback katydid		G1G2 S1S2	None	None		
+ <i>Idiostatus middlekauffi</i> Middlekauff's shieldback katydid		G1G2 S1	None	None	IUCN:CR	

Invertebrates

Species	Comment	Rank	ESA	CESA	Other Status	Notes
INSECTA, Order Orthoptera (grasshoppers, katydids, and crickets)						
+ <i>Macrobaenetes kelsoensis</i> Kelso giant sand treader cricket		G1 S1	None	None	IUCN:VU	
+ <i>Macrobaenetes valgum</i> Coachella giant sand treader cricket		G1G2 S1S2	None	None	IUCN:VU	
<i>Pristoceuthophilus sp</i> Samwell Cave cricket		G1G3 S1S3	None	None	IUCN:VU	
+ <i>Psychomastax deserticola</i> desert monkey grasshopper		G1G2 S1S2	None	None	IUCN:VU	
+ <i>Stenopelmatus cahuilaensis</i> Coachella Valley jerusalem cricket		G1G2 S1S2	None	None	IUCN:VU	
+ <i>Tetrix sierrana</i> Sierra pygmy grasshopper		G1G2 S1S2	None	None	IUCN:VU	
+ <i>Trimerotropis infantilis</i> Zayante band-winged grasshopper		G1 S1	Endangered	None	IUCN:EN	
+ <i>Trimerotropis occidentiloides</i> Santa Monica grasshopper		G1G2 S1S2	None	None	IUCN:EN	
+ <i>Trimerotropis occulens</i> Lompoc grasshopper		GH SH	None	None	IUCN:EN	
INSECTA, Order Heteroptera (true bugs)						
+ <i>Ambrysus funebris</i> Nevares Spring naucorid bug		G1 S1	Candidate	None		
+ <i>Belostoma saratogae</i> Saratoga Springs belostoman bug		G1 S1	None	None		
+ <i>Oravelia pege</i> Dry Creek cliff strider bug		G1 S1	None	None		
+ <i>Pelocoris shoshone</i> Amargosa naucorid bug		G1G3 S1S2	None	None		
+ <i>Saldula usingeri</i> Wilbur Springs shorebug		G1 S1	None	None		
INSECTA, Order Neuroptera (lacewings)						
+ <i>Oliarces clara</i> cheeseweed owlfly (cheeseweed moth lacewing)		G1G3 S1S3	None	None		
INSECTA, Order Coleoptera (beetles)						
+ <i>Aegialia concinna</i> Cervo aegilian scarab beetle		G1 S1	None	None	BLM:S	
+ <i>Agabus rumpfi</i> Death Valley agabus diving beetle		G1G3 S1	None	None	IUCN:VU	
+ <i>Anomala carlsoni</i> Carlson's dune beetle		G2 S2	None	None		
+ <i>Anomala hardyorum</i> Hardy's dune beetle		G2 S2	None	None		
+ <i>Anthicus antiochensis</i> Antioch Dunes anthicid beetle		G1 S1	None	None		
+ <i>Anthicus sacramento</i> Sacramento anthicid beetle		G1 S1	None	None	IUCN:EN	
+ <i>Atractelmis wawona</i> Wawona riffle beetle		G1G3 S1S2	None	None		
+ <i>Chaetarthria leechi</i> Leech's chaetarthrian water scavenger beetle		G1? S1?	None	None		
+ <i>Cicindela gabbii</i> western tidal flat tiger beetle		G4 S1	None	None		
+ <i>Cicindela hirticollis abrupta</i> Sacramento Valley tiger beetle		G5TH SH	None	None		
+ <i>Cicindela hirticollis gravida</i> sandy beach tiger beetle		G5T2 S1	None	None		
+ <i>Cicindela latesignata latesignata</i> western beach tiger beetle		G4T1T2 S1	None	None		

Invertebrates

Species	Comment	Rank	ESA	CESA	Other Status	Notes
INSECTA, Order Coleoptera (beetles)						
+ <i>Cicindela ohlone</i> Ohlone tiger beetle		G1 S1	Endangered	None		
+ <i>Cicindela senilis frosti</i> senile tiger beetle		G4T1 S1	None	None		
+ <i>Cicindela tranquebarica</i> ssp. San Joaquin tiger beetle		G5T1 S1	None	None		
+ <i>Cicindela tranquebarica viridissima</i> greenest tiger beetle		G5T1 S1	None	None		
+ <i>Coelus globosus</i> globose dune beetle		G1 S1	None	None	IUCN:VU	
+ <i>Coelus gracilis</i> San Joaquin dune beetle		G1 S1	None	None	BLM:S IUCN:VU	
<i>Coenonycha clementina</i> San Clemente Island coenonycha beetle		G1? S1?	None	None		
<i>Deltaspis ivae</i> marsh-elder long-horned beetle		G1 S1	None	None		
+ <i>Desmocerus californicus dimorphus</i> valley elderberry longhorn beetle		G3T2 S2	Threatened	None		
+ <i>Dinacoma caseyi</i> Casey's June beetle		G1 S1	Candidate	None		
+ <i>Dubiraphia brunneascens</i> brownish dubiraphian riffle beetle		G1G3 S1S3	None	None		
+ <i>Dubiraphia giuliani</i> Giuliani's dubiraphian riffle beetle		G1G3 S1S3	None	None		
+ <i>Elaphrus viridis</i> Delta green ground beetle		G1 S1	Threatened	None	IUCN:CR	
+ <i>Glaresis arenata</i> Kelso Dunes scarab glaresis beetle		G1G3 S1S3	None	None		
+ <i>Hydrochara rickseckeri</i> Ricksecker's water scavenger beetle		G1G2 S1S2	None	None		
+ <i>Hydroporus hirsutus</i> woolly hydroporus diving beetle		G1G3 S1S3	None	None		
+ <i>Hydroporus leechi</i> Leech's skyline diving beetle		G1? S1?	None	None		
+ <i>Hydroporus simplex</i> simple hydroporus diving beetle		G1? S1?	None	None		
+ <i>Hygrotus curvipes</i> curved-foot hygrotus diving beetle		G1 S1	None	None		
+ <i>Hygrotus fontinalis</i> travertine band-thigh diving beetle		G1 S1	None	None		
<i>Juniperella mirabilis</i> juniper metallic wood-boring beetle		G1 S1	None	None		
+ <i>Lepismadora algodones</i> Algodes sand jewel beetle		G1 S1	None	None		
+ <i>Lichnanthe albipilosa</i> white sand bear scarab beetle		G1 S1	None	None		
+ <i>Lichnanthe ursina</i> bumblebee scarab beetle		G2 S2	None	None		
+ <i>Lytta hoppingi</i> Hopping's blister beetle		G1G2 S1S2	None	None		
<i>Lytta insperata</i> Mojave Desert blister beetle		G1G2 S1S2	None	None		
+ <i>Lyttta moesta</i> moestan blister beetle		G2 S2	None	None		
+ <i>Lyttta molesta</i> molestan blister beetle		G2 S2	None	None		
+ <i>Lyttta morrisoni</i> Morrison's blister beetle		G1G2 S1S2	None	None		

Invertebrates

Species	Comment	Rank	ESA	CESA	Other Status	Notes
INSECTA, Order Coleoptera (beetles)						
+ <i>Microcylloepus formicoideus</i>	Furnace Creek riffle beetle	G1 S1	None	None		
+ <i>Miloderes nelsoni</i>	Nelson's miloderes weevil	G1G3 S1S3	None	None		
+ <i>Nebria darlingtoni</i>	South Forks ground beetle	G1 S1	None	None		
+ <i>Nebria gebleri siskiyouensis</i>	Siskiyou ground beetle	G4G5T4 S1S3	None	None		
+ <i>Nebria sahlbergii triad</i>	Tinity Alps ground beetle	G1G3T1T3 S1S3	None	None		
<i>Ochthebius crassalus</i>	wing shoulder minute moss beetle	G1G3 S1S3	None	None		
+ <i>Ochthebius recticulus</i>	Wilbur Springs minute moss beetle	G1 S1	None	None		
+ <i>Onychobaris langei</i>	Lange's El Segundo Dune weevil	G1 S1	None	None		
+ <i>Optioservus canus</i>	Pinnacles optioservus riffle beetle	G1 S1	None	None		
<i>Paleoxenus dohrni</i>	Dohrn's elegant eucnemid beetle	GNR SNR	None	None		
+ <i>Polyphylla anteronivea</i>	Saline Valley snow-front June beetle	G1 S1	None	None		
+ <i>Polyphylla barbata</i>	Mount Hermon (=barbate) June beetle	G1 S1	Endangered	None		
+ <i>Polyphylla erratica</i>	Death Valley June beetle	G1 S1	None	None		
+ <i>Polyphylla nubila</i>	Atascadero June beetle	G1 S1	None	None		
+ <i>Pseudocotalpa andrewsi</i>	Andrew's dune scarab beetle	G2G3 S2S3	None	None		
<i>Scaphinotus behrensi</i>	A ground beetle	GNR SNR	None	None		
+ <i>Trachykele hartmani</i>	serpentine cypress wood-boring beetle	G1 S1	None	None		
<i>Trichinorhipis knulli</i>	A metallic wood-boring beetle	G1 S1	None	None		
+ <i>Trigonoscuta brunnotesselata</i>	brown tassel trigonoscuta weevil	G1G2 S1S2	None	None		
+ <i>Trigonoscuta dorothaea dorothaea</i>	Dorothy's El Segundo Dune weevil	G1T1 S1	None	None		
+ <i>Trigonoscuta sp.</i>	Doyen's trigonoscuta dune weevil	G1 S1	None	None		Yes
+ <i>Trigonoscuta stantoni</i>	Santa Cruz Island shore weevil	G1? S1?	None	None		
+ <i>Vandykea tuberculata</i>	serpentine cypress long-horned beetle	G1 S1	None	None		
INSECTA, Order Mecoptera (scorpionflies)						
+ <i>Orobittacus obscurus</i>	gold rush hanging scorpionfly	G1 S1	None	None		
INSECTA, Order Diptera (flies)						
+ <i>Ablautus schlingeri</i>	Oso Flaco robber fly	G1 S1	None	None		
+ <i>Brennania belkini</i>	Belkin's dune tabanid fly	G1G2 S1S2	None	None	IUCN:VU	
+ <i>Efferia antiochi</i>	Antioch efferian robberfly	G1G3 S1S3	None	None		

Invertebrates

Species	Comment	Rank	ESA	CESA	Other Status	Notes
INSECTA, Order Diptera (flies)						
+ <i>Metapogon hundi</i> Hurd's metapogon robberfly		G1G3 S1S3	None	None		
+ <i>Paracoenia calida</i> Wilber Springs shore fly		G1 S1	None	None		
+ <i>Rhaphiomidas terminatus abdominalis</i> Delhi Sands flower-loving fly		G1T1 S1	Endangered	None		
+ <i>Rhaphiomidas terminatus terminatus</i> El Segundo flower-loving fly		G1TI S1	None	None		
<i>Rhaphiomidas trochilus</i> Valley mydas fly		G1 S1	None	None		
INSECTA, Order Lepidoptera (butterflies & moths)						
+ <i>Adela oplerella</i> Opler's longhorn moth		G2G3 S2S3	None	None		
+ <i>Apodemia mormo langei</i> Lange's metalmark butterfly		G5T1 S1	Endangered	None	XERCES:CI	
+ <i>Areniscythriss brachypterus</i> Oso Flaco flightless moth		G1 S1	None	None		
<i>Callophrys comstocki</i> desert green hairstreak		G2G3 S1S2	None	None	XERCES:IM	
+ <i>Callophrys mossii bayensis</i> San Bruno elfin butterfly		G4T1 S1	Endangered	None	XERCES:CI	
+ <i>Callophrys mossii hidakupa</i> San Gabriel Mountains elfin butterfly		G4T1T2 S1S2	None	None		
+ <i>Callophrys mossii marinensis</i> Marin elfin butterfly		G4T1 S1	None	None		
+ <i>Callophrys thornei</i> Thorne's hairstreak		G1 S1	None	None	BLM:S	
+ <i>Carolella busckana</i> Busck's gallmoth		G1G3 SH	None	None		
+ <i>Carterocephalus palaemon magnus</i> Sonoma arctic skipper		G5T1 S1	None	None		
<i>Cercyonis pegala carsonensis</i> Carson Valley wood nymph		G5T12 S1S2	None	None		
+ <i>Chlosyne leanira elegans</i> Oso Flaco patch butterfly		G4G5T1T2 S1S2	None	None		
+ <i>Coenonympha tullia yontockett</i> Yontocket satyr		G5T1T2 S1	None	None		
+ <i>Danaus plexippus</i> monarch butterfly		G5 S3	None	None		
+ <i>Euchloe hyantis andrewsi</i> Andrew's marble butterfly		G3G4T1 S1	None	None		
+ <i>Eucosma hennei</i> Henne's eucosman moth		G1 S1	None	None		
+ <i>Euphilotes battooides allyni</i> El Segundo blue butterfly		G5T1 S1	Endangered	None	XERCES:CI	
+ <i>Euphilotes battooides comstocki</i> Comstock's blue butterfly		G5T1T3 S1S3	None	None		
<i>Euphilotes baueri</i> Bauer's dotted-blue		G2G4 S1S2	None	None	XERCES:IM	
+ <i>Euphilotes enoptes smithi</i> Smith's blue butterfly		G5T1T2 S1S2	Endangered	None	XERCES:CI	
<i>Euphilotes mojave</i> Mojave dotted-blue		G2G3 S1S2	None	None	XERCES:IM	
+ <i>Euphydryas editha bayensis</i> Bay checkerspot butterfly		G5T1 S1	Threatened	None	XERCES:CI	
+ <i>Euphydryas editha monoensis</i> Mono checkerspot butterfly		G5T3? S1S2	None	None		
+ <i>Euphydryas editha quino</i> quino checkerspot butterfly		G5T1 S1	Endangered	None	XERCES:CI	

Invertebrates

Species	Comment	Rank	ESA	CESA	Other Status	Notes
INSECTA, Order Lepidoptera (butterflies & moths)						
<i>Euphyes vestris harbisoni</i> dun skipper		G5T1 S1?	None	None		
+ <i>Euproserpinus euterpe</i> Kern primrose sphinx moth		G1 S1	Threatened	None	XERCES:CI	
+ <i>Glaucopsyche lygdamus</i> <i>palosverdesensis</i> Palos Verdes blue butterfly		G5T1 S1	Endangered	None	XERCES:CI	
+ <i>Hesperia miramae longaevicola</i> White Mountains skipper		G2G3T1 S1	None	None		
<i>Hesperopsis graciella</i> Macneill's sooty wing skipper		G2G3 S2S3	None	None	XERCES:VU	
+ <i>Lycaena hermes</i> Hermes copper butterfly		G1G2 S1S2	None	None	IUCN:VU	
<i>Lycaena rubidus incana</i> White Mountains copper		G5T1 S1	None	None		
+ <i>Panoquina errans</i> wandering (=saltmarsh) skipper		G4G5 S1	None	None	IUCN:NT	
+ <i>Philotella speciosa bohartorum</i> Bohart's blue butterfly		G3G4T1 S1	None	None		
+ <i>Plebejus icarioides albihalos</i> White Mountains icarioides blue butterfly		G5T2T3 S2?	None	None		
+ <i>Plebejus icarioides missionensis</i> Mission blue butterfly		G5T1 S1	Endangered	None	XERCES:CI	
+ <i>Plebejus icarioides moroensis</i> Morro Bay blue butterfly		G5T1T3 S1S3	None	None		
+ <i>Plebejus icarioides parapheres</i> Point Reyes blue butterfly		G5T1T2 S1S2	None	None		
+ <i>Plebejus idas lotis</i> lotis blue butterfly		G5T1 S1	Endangered	None	XERCES:CI	
+ <i>Plebejus saepiolus albomontanus</i> White Mountains saepiolus blue butterfly		G5T2 S1S2	None	None		
+ <i>Plebejus saepiolus aureolus</i> San Gabriel Mountains blue butterfly		G5T1 S1	None	None		
+ <i>Plebulina emigdionis</i> San Emigdio blue butterfly		G2G3 S2S3	None	None		
+ <i>Polites mardon</i> mardon skipper		G2G3 S1	Candidate	None	XERCES:IM	
<i>Polites sabuleti albamontana</i> White Mountains sandhill skipper		G5T2 S2	None	None		
<i>Psammobotys fordii</i> Ford's sand dune moth		GNR SNR	None	None		
<i>Pseudocopaeodes eunus eunus</i> alkali skipper		G3G4T1T3 S1S3	None	None		
<i>Pseudocopaeodes eunus obscurus</i> Carson wandering skipper		G3G4T1 S1	Endangered	None	XERCES:CI	
+ <i>Pyrgus ruralis lagunae</i> Laguna Mountains skipper		G5T1 S1	Endangered	None	XERCES:CI	
+ <i>Speyeria adiaste adiaste</i> unsilvered fritillary		G1G2T1 S1	None	None		
+ <i>Speyeria callippe callippe</i> callippe silverspot butterfly		G5T1 S1	Endangered	None	XERCES:CI	
<i>Speyeria egleis tehachapina</i> Tehachapi Mountain silverspot butterfly		G5T2T3 S2S3	None	None		
+ <i>Speyeria nokomis carsonensis</i> Carson Valley silverspot		G3T1 S1	None	None		
+ <i>Speyeria zerene behrensi</i> Behren's silverspot butterfly		G5T1 S1	Endangered	None	XERCES:CI	

Invertebrates

Species	Comment	Rank	ESA	CESA	Other Status	Notes
INSECTA, Order Lepidoptera (butterflies & moths)						
+ <i>Speyeria zerene hippolyta</i> Hippolyta fritillary		G5T1 S1	Threatened	None	XERCES:CI	
+ <i>Speyeria zerene myrtleae</i> Myrtle's silverspot		G5T1 S1	Endangered	None	XERCES:CI	
INSECTA, Order Trichoptera (caddisflies)						
+ <i>Cryptochia denningi</i> Denning's cryptic caddisfly		G1G2 S1S2	None	None		
+ <i>Cryptochia excella</i> Kings Canyon cryptochian caddisfly		G1G2 S1S2	None	None		
+ <i>Cryptochia shasta</i> confusion caddisfly		G1G2 S1S2	None	None		
+ <i>Desmona bethula</i> amphibious caddisfly		G1G3 S1S3	None	None		
+ <i>Diplectrona californica</i> California diplectronan caddisfly		G1G2 S1S2	None	None		
+ <i>Ecclisomyia bilera</i> Kings Creek ecclisomyian caddisfly		G1G2 S1S2	None	None		
+ <i>Farula praelonga</i> long-tailed caddisfly		G1G2 S1S2	None	None		
+ <i>Goeracea oregonae</i> Sagehen Creek goeracean caddisfly		G2 S1S2	None	None		
+ <i>Lepidostoma ermanae</i> Cold Spring caddisfly		G1G2 S1S2	None	None		
+ <i>Limnephilus atercus</i> Fort Dick limnephilus caddisfly		G4 S1	None	None		
+ <i>Neothremma genella</i> golden-horned caddisfly		G1? S1?	None	None		
<i>Neothremma siskiyou</i> Siskiyou caddisfly		G1G3 S1S3	None	None		
+ <i>Parapsyche extensa</i> King's Creek parapsyche caddisfly		GH SH	None	None		
+ <i>Rhyacophila lineata</i> Castle Crags rhyacophilan caddisfly		G1G3 S1S2	None	None		
+ <i>Rhyacophila mosana</i> bilobed rhyacophilan caddisfly		G1G2Q S1S2	None	None		
+ <i>Rhyacophila spinata</i> spiny rhyacophilan caddisfly		G1G2 S1S2	None	None		
INSECTA, Order Hymenoptera (ants, bees, & wasps)						
+ <i>Andrena blennospermatis</i> Blennosperma vernal pool andrenid bee		G2 S2	None	None		
+ <i>Andrena macswaini</i> An andrenid bee		G1G3 S1S3	None	None		
+ <i>Andrena subapasta</i> A vernal pool andrenid bee		G1G3 S1S3	None	None		
+ <i>Argochrysis lassenae</i> Lassen cuckoo wasp		G1 S1	None	None		
+ <i>Ashmeadiella chumashae</i> Channel Islands leaf-cutter bee		G2? S2?	None	None		
<i>Bombus franklini</i> Franklin's bumble bee		G1 S1	None	None	XERCES:CI	
<i>Bombus occidentalis</i> western bumble bee		G? SNR	None	None		
+ <i>Ceratochrysis bradleyi</i> Bradley's cuckoo wasp		G1 S1	None	None		
+ <i>Ceratochrysis gracilis</i> Piute Mountains cuckoo wasp		G1 S1	None	None		
<i>Ceratochrysis grisselli</i> A cuckoo wasp		GNR SNR	None	None		

Invertebrates

Species	Comment	Rank	ESA	CESA	Other Status	Notes
INSECTA, Order Hymenoptera (ants, bees, & wasps)						
+ <i>Ceratochrysis longimala</i>	A cuckoo wasp	G1 S1	None	None		
+ <i>Ceratochrysis menkei</i>	Menke's cuckoo wasp	G1 S1	None	None		
+ <i>Chrysis tularensis</i>	Tulare cuckoo wasp	G1G2 S1S2	None	None		
<i>Cleptes humboldti</i>	A cuckoo wasp	GNR SNR	None	None		
+ <i>Dufourea stagei</i>	Stage's dufourine bee	G1? S1?	None	None		
+ <i>Eucerceris ruficeps</i>	redheaded sphecid wasp	G1G3 S1S2	None	None		
+ <i>Halictus harmonius</i>	harmonius halictid bee	G1 S1	None	None	XERCES:CI	
+ <i>Hedychridium argenteum</i>	Riverside cuckoo wasp	G1? S1?	None	None		
+ <i>Hedychridium milleri</i>	Borax Lake cuckoo wasp	G1? S1?	None	None		
+ <i>LasioGLOSSUM channelense</i>	Channel Island sweat bee	G1 S1	None	None		
+ <i>Melitta californica</i>	A mellitid bee	G? SNR	None	None		
+ <i>Minymischa ventura</i>	Ventura cuckoo wasp	G1G3 S1S3	None	None		
+ <i>Myrmosula pacifica</i>	Antioch multilid wasp	GH SH	None	None		
<i>Neolarra alba</i>	a cuckoo bee	G? SNR	None	None		
+ <i>Paranomada californica</i>	a cuckoo bee	G1 S1	None	None		
+ <i>Parnopes borregoensis</i>	Borrego parnopes cuckoo wasp	G1? S1?	None	None		
+ <i>Perdita scitula antiochensis</i>	Antioch andrenid bee	G1T1 S1	None	None		
+ <i>Philanthus nasalis</i>	Antioch specid wasp	G1 S1	None	None		
+ <i>Protodufourea wasbaueri</i>	Wasbauer's protodufourea bee	G1 S1	None	None	XERCES:DD	
+ <i>Protodufourea zavortinki</i>	Zavortink's protodufourea bee	G1 S1	None	None		
+ <i>Rhopalolemma robertsi</i>	Roberts' rhopalolemma bee	G1 S1	None	None		
+ <i>Sphecodogastra antiochensis</i>	Antioch Dunes halcitid bee	G1 S1	None	None	XERCES:CI	
+ <i>Trachusa gummifera</i>	A leaf-cutter bee	G1 S1	None	None		

Special Animals List - February 2008

Fishes

Species	Comment	Rank	ESA	CESA	Other Status	Notes
PETROMYZONTIDAE (lampreys)						
<i>Lampetra ayresii</i> river lamprey		G4 S4	None	None	DFG:SSC	
+ <i>Lampetra hubbsi</i> Kern brook lamprey		G1G2 S1S2	None	None	DFG:SSC IUCN:NT	
<i>Lampetra richardsoni</i> western brook lamprey		G4G5 S3S4	None	None		
<i>Lampetra similis</i> Klamath River lamprey		G3G4Q S3S4	None	None	DFG:SSC	
<i>Lampetra tridentata</i> Pacific lamprey		G5 S4	None	None		
+ <i>Lampetra tridentata</i> ssp. 1 Goose Lake lamprey		G5T1 S1	None	None	DFG:SSC USFS:S	
ACIPENSERIDAE (sturgeon)						
<i>Acipenser medirostris</i> green sturgeon	(southern DPS)	G3 S1S2	Threatened	None	AFS:EN DFG:SSC IUCN:NT NMFS:SC	Yes
<i>Acipenser transmontanus</i> white sturgeon		G4 S2	None	None	AFS:TH IUCN:LC	
SALMONIDAE (trout & salmon)						
+ <i>Oncorhynchus clarkii clarkii</i> coast cutthroat trout		G4T4 S3	None	None	DFG:SSC USFS:S	
+ <i>Oncorhynchus clarkii henshawi</i> Lahontan cutthroat trout		G4T3 S2	Threatened	None		
+ <i>Oncorhynchus clarkii seleniris</i> Paiute cutthroat trout		G4T1T2 S1S2	Threatened	None		
+ <i>Oncorhynchus gorbuscha</i> pink salmon		G5 S1	None	None	DFG:SSC	
<i>Oncorhynchus keta</i> chum salmon		G5 S1?	None	None	DFG:SSC	
+ <i>Oncorhynchus kisutch</i> coho salmon - southern Oregon / northern California ESU		G4T2Q S2?	Threatened	Threatened	DFG:SSC	Yes
+ <i>Oncorhynchus kisutch</i> coho salmon - central California coast ESU		G4 S2?	Endangered	Endangered		Yes
<i>Oncorhynchus kisutch</i> Coho salmon - northern California population		G4 S2	Threatened	Threatened		Yes
+ <i>Oncorhynchus mykiss aguabonita</i> Volcano Creek golden trout		G5T1 S1	None	None	DFG:SSC USFS:S	
+ <i>Oncorhynchus mykiss aquilarum</i> Eagle Lake rainbow trout		G5T1 S1	None	None	DFG:SSC USFS:S	
<i>Oncorhynchus mykiss gilberti</i> Kern River rainbow trout		G5T1Q S1S2	None	None	DFG:SSC	
<i>Oncorhynchus mykiss irideus</i> steelhead - Klamath Mountains Province ESU		G5T3Q S2	None	None	DFG:SSC USFS:S	Yes
+ <i>Oncorhynchus mykiss irideus</i> steelhead - Central California Coast ESU		G5T2Q S2	Threatened	None		Yes
+ <i>Oncorhynchus mykiss irideus</i> steelhead - south/central California coast ESU		G5T2Q S2	Threatened	None	DFG:SSC	Yes
+ <i>Oncorhynchus mykiss irideus</i> southern steelhead - southern California ESU		G5T2Q S2	Endangered	None	DFG:SSC	Yes
<i>Oncorhynchus mykiss irideus</i> steelhead - Central Valley ESU		G5T2 S2	Threatened	None		Yes

Special Animals List - February 2008

Fishes

Species	Comment	Rank	ESA	CESA	Other Status	Notes
SALMONIDAE (trout & salmon)						
+ <i>Oncorhynchus mykiss irideus</i> steelhead-northern California ESU		G5T2Q S2	Threatened	None	DFG:SSC	Yes
+ <i>Oncorhynchus mykiss irideus</i> summer-run steelhead trout		G5T4Q S2	None	None	DFG:SSC	Yes
+ <i>Oncorhynchus mykiss</i> ssp. 1 Goose Lake redband trout		G5T2Q S1	None	None	DFG:SSC USFS:S	
+ <i>Oncorhynchus mykiss</i> ssp. 2 McCloud River redband trout		G5T1T2Q S1S2	None	None	DFG:SSC USFS:S	
<i>Oncorhynchus mykiss</i> ssp. 3 Warner Valley redband trout		G5T2Q S1?	None	None	USFS:S	
+ <i>Oncorhynchus mykiss whitei</i> Little Kern golden trout		G5T2 S2	Threatened	None		
<i>Oncorhynchus tshawytscha</i> chinook salmon - Central Valley fall / late fall-run ESU		G5 S2?	None	None	DFG:SSC NMFS:SC USFS:S	Yes
<i>Oncorhynchus tshawytscha</i> chinook salmon - California coastal ESU		G5 S1	Threatened	None		Yes
<i>Oncorhynchus tshawytscha</i> chinook Salmon - spring-run Klamath-Trinity Rivers pop.		G5 S1S2	None	None	DFG:SSC USFS:S	
+ <i>Oncorhynchus tshawytscha</i> spring-run spring-run chinook salmon		G5 S1	Threatened	Threatened		Yes
+ <i>Oncorhynchus tshawytscha</i> winter-run chinook salmon winter-run		G5 S1	Endangered	Endangered		
<i>Prosopium williamsoni</i> mountain whitefish		G5 S3	None	None		
+ <i>Salvelinus confluentus</i> bull trout		G3 SX	Threatened	Endangered	IUCN:VU	
OSMERIDAE (smelt)						
+ <i>Hypomesus transpacificus</i> Delta smelt		G1 S1	Threatened	Threatened	AFS:TH IUCN:EN	
<i>Spirinchus thaleichthys</i> longfin smelt		G5 S1	None	None	AFS:TH DFG:SSC	
<i>Thaleichthys pacificus</i> eulachon		G5 S3	None	None	AFS:TH DFG:SSC	
CYPRINIDAE (minnows and carp)						
+ <i>Gila bicolor mohavensis</i> Mohave tui chub		G4T1 S1	Endangered	Endangered	DFG:FP	
<i>Gila bicolor pectinifer</i> Lahontan Lake tui chub		G4T3 S1S2	None	None	DFG:SSC USFS:S	
+ <i>Gila bicolor snyderi</i> Owens tui chub		G4T1 S1	Endangered	Endangered		
<i>Gila bicolor</i> ssp 3 Pit River tui chub		G4T1T3 S1S3	None	None		
+ <i>Gila bicolor</i> ssp. 1 Eagle Lake tui chub		G4T1 S1	None	None	DFG:SSC	
+ <i>Gila bicolor</i> ssp. 2 High Rock Spring tui chub		G4TX SX	None	None	DFG:SSC	
+ <i>Gila bicolor thalassina</i> Goose Lake tui chub		G4T2 S1	None	None	DFG:SSC USFS:S	
+ <i>Gila bicolor vaccaceps</i> Cow Head tui chub		G4T1 S1	None	None	DFG:SSC	
+ <i>Gila coerulea</i> blue chub		G3 S2S3	None	None	DFG:SSC	
+ <i>Gila elegans</i> bonytail		G1 S1	Endangered	Endangered	IUCN:EN	
+ <i>Gila orcutti</i> arroyo chub		G2 S2	None	None	DFG:SSC USFS:S	

Special Animals List - February 2008

Fishes

Species	Comment	Rank	ESA	CESA	Other Status	Notes
CYPRINIDAE (minnows and carp)						
+ <i>Lavinia exilicauda chi</i> Clear Lake hitch		G5T2 S2	None	None	DFG:SSC USFS:S	
<i>Lavinia exilicauda exilicauda</i> Central Valley hitch		G5T2T4 S2S4	None	None		
<i>Lavinia exilicauda harengus</i> Pajaro/Salinas hitch		G5T2T4 S2S4	None	None		
+ <i>Lavinia symmetricus mitrulus</i> Pit roach		G5T3 S2	None	None	DFG:SSC	
+ <i>Lavinia symmetricus navarroensis</i> Navarro roach		G5T1T2 S1S2	None	None	DFG:SSC	
+ <i>Lavinia symmetricus parvipinnis</i> Gualala roach		G5T1T2 S1S2	None	None	DFG:SSC	
+ <i>Lavinia symmetricus</i> ssp. 1 San Joaquin roach		G5T3Q S3	None	None	DFG:SSC	Yes
+ <i>Lavinia symmetricus</i> ssp. 2 Tomales roach		G5T2T3 S2S3	None	None	DFG:SSC	
+ <i>Lavinia symmetricus</i> ssp. 3 Red Hills roach		G5T1 S1	None	None	BLM:S DFG:SSC	
<i>Lavinia symmetricus</i> ssp. 4 Clear Lake - Russian River roach		G5T2T3 S2S3	None	None		
<i>Lavinia symmetricus subditus</i> Monterey roach		G5T2T3 S2S3	None	None	DFG:SSC	
+ <i>Mylopharodon conocephalus</i> hardhead		G3 S3	None	None	DFG:SSC USFS:S	
+ <i>Pogonichthys macrolepidotus</i> Sacramento splittail		G2 S2	None	None	DFG:SSC IUCN:EN	
+ <i>Ptychocheilus lucius</i> Colorado squawfish		G1 SX	Endangered	Endangered	DFG:FP IUCN:VU	
<i>Rhinichthys osculus</i> ssp. 5 Long Valley speckled dace		G5T1 S1	None	None		
+ <i>Rhinichthys osculus</i> ssp. 1 Amargosa Canyon speckled dace		G5T1Q S1	None	None	BLM:S DFG:SSC	Yes
+ <i>Rhinichthys osculus</i> ssp. 2 Owens speckled dace		G5T1T2Q S1S2	None	None	DFG:SSC	Yes
+ <i>Rhinichthys osculus</i> ssp. 3 Santa Ana speckled dace		G5T1 S1	None	None	DFG:SSC USFS:S	
CATOSTOMIDAE (suckers)						
+ <i>Catostomus fumeiventris</i> Owens sucker		G3 S3	None	None	DFG:SSC	
+ <i>Catostomus latipinnis</i> flannelmouth sucker		G3G4 S1	None	None		
+ <i>Catostomus microps</i> Modoc sucker		G1 S1	Endangered	Endangered	DFG:FP IUCN:EN	
+ <i>Catostomus occidentalis lacusanserinus</i> Goose Lake sucker		G5T2T3Q S1	None	None	DFG:SSC USFS:S	
<i>Catostomus platyrhynchus</i> mountain sucker		G5 S2S3	None	None	DFG:SSC	
<i>Catostomus rimiculus</i> ssp. 1 Jenny Creek sucker		G5T2Q S1	None	None		
+ <i>Catostomus santaanae</i> Santa Ana sucker		G1 S1	Threatened	None	DFG:SSC IUCN:VU USFS:S	
+ <i>Catostomus snyderi</i> Klamath largescale sucker		G3 S2	None	None	DFG:SSC IUCN:NT	
+ <i>Chasmistes brevirostris</i> shortnose sucker		G1 S1	Endangered	Endangered	DFG:FP IUCN:EN	
+ <i>Deltistes luxatus</i> Lost River sucker		G1 S1	Endangered	Endangered	DFG:FP IUCN:EN	

Fishes

Species	Comment	Rank	ESA	CESA	Other Status	Notes
CATOSTOMIDAE (suckers)						
+ <i>Xyrauchen texanus</i> razorback sucker		G1 S1	Endangered	Endangered	DFG:FP IUCN:EN	
CYPRINODONTIDAE (killifishes)						
+ <i>Cyprinodon macularius</i> desert pupfish		G1 S1	Endangered	Endangered		
+ <i>Cyprinodon nevadensis amargosae</i> Amargosa pupfish		G2T1 S1	None	None	BLM:S DFG:SSC	
+ <i>Cyprinodon nevadensis nevadensis</i> Saratoga Springs pupfish		G2T1 S1	None	None	DFG:SSC	
+ <i>Cyprinodon nevadensis shoshone</i> Shoshone pupfish		G2T1 S1	None	None	DFG:SSC	
+ <i>Cyprinodon radiosus</i> Owens pupfish		G1 S1	Endangered	Endangered	DFG:FP IUCN:EN	
+ <i>Cyprinodon salinus milleri</i> Cottonball Marsh pupfish		G1QT1 S1	None	Threatened		
+ <i>Cyprinodon salinus salinus</i> Salt Creek pupfish		G1T1 S1	None	None	DFG:SSC	
GASTEROSTEIDAE (sticklebacks)						
<i>Gasterosteus aculeatus microcephalus</i> resident threespine stickleback	(South of Pt. Conception only)	G5T2T3 S2S3	None	None	USFS:S	Yes
<i>Gasterosteus aculeatus santaannae</i> Santa Ana (=Shay Creek) threespine stickleback		G5T1Q S1	None	None	USFS:S	Yes
+ <i>Gasterosteus aculeatus williamsoni</i> unarmored threespine stickleback		G5T1 S1	Endangered	Endangered	DFG:FP IUCN:LC USFS:S	Yes
POLYPRIONIDAE (wreckfishes)						
<i>Stereolepis gigas</i> giant sea bass		G3 S1S2	None	None	AFS:VU IUCN:CR	
CENTRARCHIDAE (sunfishes)						
+ <i>Archoplites interruptus</i> Sacramento perch	(Within native range only)	G3 S1	None	None	DFG:SSC	
EMBIOTOCIDAE (surfperches)						
<i>Hysterocarpus traski lagunae</i> Clear Lake tule perch		G5T2T3 S2S3	None	None		
+ <i>Hysterocarpus traski pomo</i> Russian River tule perch		G5T2 S2	None	None	DFG:SSC	
<i>Hysterocarpus traski traski</i> Sacramento-San Joaquin tule perch		G5T2T3 S2S3	None	None		
GOBIIDAE (gobies)						
+ <i>Eucyclogobius newberryi</i> tidewater goby		G3 S2S3	Endangered	None	AFS:EN DFG:SSC IUCN:VU	
COTTIDAE (sculpins)						
+ <i>Cottus asperrimus</i> rough sculpin		G2 S2	None	Threatened	DFG:FP IUCN:VU	
<i>Cottus gulosus</i> riffle sculpin		G5 S3S4	None	None		
<i>Cottus klamathensis klamathensis</i> Upper Klamath marbled sculpin		G4T1T2 S1S2	None	None		
+ <i>Cottus klamathensis macrops</i> bigeye marbled sculpin		G4T3 S3	None	None	DFG:SSC	
<i>Cottus klamathensis polyporus</i> Lower Klamath marbled sculpin		G4T2T4 S2S4	None	None		
<i>Cottus perplexus</i> reticulate sculpin		G4 S2S3	None	None	DFG:SSC	

Special Animals List - February 2008

Amphibians

Species	Comment	Rank	ESA	CESA	Other Status	Notes
AMBYSTOMATIDAE (mole salamanders)						
+ <i>Ambystoma californiense</i> California tiger salamander		G2G3 S2S3	Threatened	None	DFG:SSC IUCN:VU	
RHYACOTRITONIDAE (Olympic salamanders)						
+ <i>Rhyacotriton variegatus</i> southern torrent salamander		G3G4 S2S3	None	None	DFG:SSC IUCN:LC USFS:S	
SALAMANDRIDAE (newts)						
+ <i>Taricha torosa torosa</i> Coast Range newt	(Monterey Co. south only)	G5T4 S4	None	None	DFG:SSC	
PLETHODONTIDAE (lungless salamanders)						
+ <i>Batrachoseps campi</i> Inyo Mountains slender salamander		G2 S2	None	None	BLM:S DFG:SSC IUCN:EN USFS:S	
<i>Batrachoseps diabolicus</i> Hell Hollow slender salamander		G2 S2	None	None	IUCN:DD	
+ <i>Batrachoseps gabrieli</i> San Gabriel Mtns slender salamander		G2 S2	None	None	IUCN:DD USFS:S	
<i>Batrachoseps gregarius</i> gregarious slender salamander		G2G3 S2S3	None	None	IUCN:LC	
<i>Batrachoseps incognitus</i> San Simeon slender salamander		G2G3 S2S3	None	None	IUCN:DD	
<i>Batrachoseps kawia</i> Sequoia slender salamander		G1G2 S1S2	None	None	IUCN:DD	
<i>Batrachoseps luciae</i> Santa Lucia Mountains slender salamander		G2G3 S2S3	None	None	IUCN:LC	
+ <i>Batrachoseps major aridus</i> desert slender salamander		G4T1 S1	Endangered	Endangered	IUCN:CR	
<i>Batrachoseps minor</i> lesser slender salamander		G1G2 S1S2	None	None	IUCN:DD	
+ <i>Batrachoseps pacificus</i> Channel Islands slender salamander		G3QT2 S2	None	None	IUCN:LC	
+ <i>Batrachoseps regius</i> Kings River slender salamander		G1 S1	None	None	IUCN:VU	
<i>Batrachoseps relictus</i> relictual slender salamander		G2 S2	None	None	DFG:SSC IUCN:DD USFS:S	
+ <i>Batrachoseps robustus</i> Kern slender salamander		G2 S2	None	None	IUCN:NT USFS:S	
+ <i>Batrachoseps simatus</i> Kern Canyon slender salamander		G2 S2	None	Threatened	IUCN:VU USFS:S	
+ <i>Batrachoseps sp. 1</i> Breckenridge Mountain slender salamander		G1Q S1	None	None	DFG:SSC USFS:S	
+ <i>Batrachoseps stebbinsi</i> Tehachapi slender salamander		G2 S2	None	Threatened	BLM:S IUCN:VU USFS:S	
+ <i>Ensatina escholtzii crocea</i> yellow-blotched salamander		G5T2T3 S2S3	None	None	BLM:S DFG:SSC IUCN:LC USFS:S	
+ <i>Ensatina klauberi</i> large-blotched salamander		G5 S2S3	None	None	DFG:SSC USFS:S	
+ <i>Hydromantes brunus</i> limestone salamander		G1 S1	None	Threatened	DFG:FP IUCN:VU USFS:S	

Special Animals List - February 2008

Amphibians

Species	Comment	Rank	ESA	CESA	Other Status	Notes
PLETHODONTIDAE (lungless salamanders)						
+ <i>Hydromantes platycephalus</i> Mount Lyell salamander		G3 S3	None	None	DFG:SSC IUCN:LC	
+ <i>Hydromantes shastae</i> Shasta salamander		G1G2 S1S2	None	Threatened	BLM:S IUCN:VU USFS:S	
+ <i>Hydromantes sp. 1</i> Owens Valley web-toed salamander (AKA Oak Creek salamander)		G1Q S1	None	None	DFG:SSC	
+ <i>Plethodon asupak</i> Scott Bar salamander		G1G2 S1S2	None	Threatened	IUCN:VU	Yes
+ <i>Plethodon elongatus</i> Del Norte salamander		G4 S3	None	None	DFG:SSC IUCN:NT	
+ <i>Plethodon stormi</i> Siskiyou Mountains salamander		G2G3 S1S2	None	Threatened	IUCN:EN USFS:S	
ASCAPHIDAE (tailed frogs)						
+ <i>Ascaphus truei</i> western tailed frog		G4 S2S3	None	None	DFG:SSC IUCN:LC	
SCAPHIOPODIDAE (spadefoot toads)						
+ <i>Scaphiopus couchii</i> Couch's spadefoot		G5 S2S3	None	None	BLM:S DFG:SSC IUCN:LC	
+ <i>Spea hammondii</i> western spadefoot		G3 S3	None	None	BLM:S DFG:SSC IUCN:NT	
BUFONIDAE (true toads)						
+ <i>Bufo alvarius</i> Colorado River toad		G5 SH	None	None	DFG:SSC IUCN:LC	
+ <i>Bufo californicus</i> arroyo toad		G2G3 S2S3	Endangered	None	DFG:SSC IUCN:EN	Yes
+ <i>Bufo canorus</i> Yosemite toad		G2 S2	Candidate	None	DFG:SSC IUCN:EN USFS:S	
+ <i>Bufo exsul</i> black toad		G1Q S1	None	Threatened	DFG:FP IUCN:VU	
RANIDAE						
+ <i>Ambystoma macrodactylum croceum</i> Santa Cruz long-toed salamander		G5T1 S1	Endangered	Endangered	DFG:FP	
+ <i>Rana aurora aurora</i> northern red-legged frog		G4T4 S2?	None	None	DFG:SSC IUCN:NT USFS:S	Yes
+ <i>Rana aurora draytonii</i> California red-legged frog		G4T2T3 S2S3	Threatened	None	DFG:SSC IUCN:NT	Yes
+ <i>Rana boylii</i> foothill yellow-legged frog		G3 S2S3	None	None	BLM:S DFG:SSC IUCN:NT USFS:S	
+ <i>Rana cascadae</i> Cascades frog		G3G4 S3	None	None	DFG:SSC IUCN:NT USFS:S	
+ <i>Rana muscosa</i> Sierra Madre yellow-legged frog		G1 S1	Endangered	None	DFG:SSC IUCN:VU USFS:S	Yes
+ <i>Rana pipiens</i> northern leopard frog	(Native populations only)	G5 S2	None	None	DFG:SSC IUCN:LC USFS:S	
+ <i>Rana pretiosa</i> Oregon spotted frog		G2 S1	Candidate	None	DFG:SSC IUCN:VU USFS:S	

Special Animals List - February 2008

Amphibians

Species	Comment	Rank	ESA	CESA	Other Status	Notes
RANIDAE						
+ <i>Rana sierrae</i> Sierra Nevada yellow-legged frog		G1 S1	Candidate	None	DFG:SSC IUCN:VU USFS:S	Yes
+ <i>Rana yavapaiensis</i> lowland (=Yavapai, San Sebastian & San Felipe) leopard frog		G4 SX	None	None	BLM:S DFG:SSC IUCN:LC	

Special Animals List - February 2008

Reptiles

Species	Comment	Rank	ESA	CESA	Other Status	Notes
CHELONIIDAE (sea turtles)						
<i>Chelonia mydas</i> green turtle		G3 S1	Threatened	None	IUCN:EN	
KINOSTERNIDAE (musk and mud turtles)						
<i>Kinosternon sonoriense</i> Sonoran mud turtle		G4 SH	None	None	DFG:SSC IUCN:VU	
EMYDIDAE (box and water turtles)						
+ <i>Actinemys marmorata</i> western pond turtle		G3G4 S3	None	None	DFG:SSC IUCN:VU	
+ <i>Actinemys marmorata marmorata</i> northwestern pond turtle		G3G4T3 S3	None	None	DFG:SSC IUCN:VU USFS:S	
+ <i>Actinemys marmorata pallida</i> southwestern pond turtle		G3G4T2T3Q S2	None	None	BLM:S DFG:SSC IUCN:VU USFS:S	
TESTUDINIDAE (land tortoises)						
+ <i>Gopherus agassizii</i> desert tortoise		G4 S2	Threatened	Threatened	IUCN:VU	
GEKKONIDAE (geckos)						
+ <i>Coleonyx switaki</i> barefoot banded gecko		G4 S1	None	Threatened		
+ <i>Coleonyx variegatus abbotti</i> San Diego banded gecko		G5T3T4 S2S3	None	None		
IGUANIDAE (iguanas)						
+ <i>Sauromalus ater</i> chuckwalla		G5 S4	None	None		
CROTAPHYTIDAE (collared & leopard lizards)						
+ <i>Gambelia sila</i> blunt-nosed leopard lizard		G1 S1	Endangered	Endangered	DFG:FP IUCN:EN	
PHRYNOSOMATIDAE (spiny lizards)						
+ <i>Phrynosoma coronatum (blainvillii population)</i> coast (San Diego) horned lizard		G4G5 S3S4	None	None	DFG:SSC USFS:S	
+ <i>Phrynosoma coronatum (frontale population)</i> coast (California) horned lizard		G4G5 S3S4	None	None	BLM:S DFG:SSC	
+ <i>Phrynosoma mcallii</i> flat-tailed horned lizard		G3 S2	None	None	BLM:S DFG:SSC USFS:S	
+ <i>Sceloporus graciosus graciosus</i> northern sagebrush lizard		G5T5 S3	None	None	BLM:S	
+ <i>Uma inornata</i> Coachella Valley fringe-toed lizard		G1Q S1	Threatened	Endangered	IUCN:EN	
+ <i>Uma notata</i> Colorado Desert fringe-toed lizard		G3 S2?	None	None	BLM:S DFG:SSC	
+ <i>Uma scoparia</i> Mojave fringe-toed lizard		G3G4 S3S4	None	None	BLM:S DFG:SSC	
XANTUSIIDAE (night lizards)						
<i>Xantusia gracilis</i> sandstone night lizard		G1 S1	None	None	DFG:SSC	
+ <i>Xantusia riversiana</i> island night lizard		G1 S1	Threatened	None	IUCN:VU	
<i>Xantusia vigilis sierrae</i> Sierra night lizard		G5T1 S1	None	None	DFG:SSC USFS:S	
SCINCIDAE (skinks)						
+ <i>Eumeces skiltonianus interparietalis</i> Coronado skink		G5T2T3Q S1S2	None	None	BLM:S DFG:SSC	

Special Animals List - February 2008

Reptiles

Species	Comment	Rank	ESA	CESA	Other Status	Notes
TEIIDAE (whiptails and relatives)						
+ <i>Aspidoscelis hyperythra</i> orange-throated whiptail		G5 S2	None	None	DFG:SSC IUCN:DD	
+ <i>Aspidoscelis tigris stejnegeri</i> coastal western whiptail		G5T3T4 S2S3	None	None		
ANGUIDAE (alligator lizards)						
+ <i>Elgaria panamintina</i> Panamint alligator lizard		G1G2 S1S2	None	None	BLM:S DFG:SSC IUCN:VU USFS:S	
ANNIELLIDAE (Legless lizards)						
+ <i>Anniella pulchra nigra</i> black legless lizard		G3G4T2T3Q S2	None	None	DFG:SSC USFS:S	
+ <i>Anniella pulchra pulchra</i> silvery legless lizard		G3G4T3T4Q S3	None	None	DFG:SSC USFS:S	
HELODERMATIDAE (venomous lizards)						
+ <i>Heloderma suspectum cinctum</i> banded gila monster		G4T4 S1	None	None	BLM:S DFG:SSC IUCN:VU	Yes
BOIDAE (boas)						
+ <i>Charina trivirgata</i> rosy boa		G4G5 S3S4	None	None	BLM:S USFS:S	Yes
+ <i>Charina umbratica</i> southern rubber boa		G5T2T3 S2S3	None	Threatened	USFS:S	
COLUBRIDAE (egg-laying snakes)						
<i>Bogertophis rosaliae</i> Baja California rat snake		G4 S1	None	None	DFG:SSC	
+ <i>Diadophis punctatus modestus</i> San Bernardino ringneck snake		G5T2T3 S2?	None	None	USFS:S	
+ <i>Diadophis punctatus similis</i> San Diego ringneck snake		G5T2T3 S2?	None	None	USFS:S	
+ <i>Lampropeltis zonata (parvirostris)</i> California mountain kingsnake (San Bernardino population)		G4G5 S2?	None	None	DFG:SSC USFS:S	
+ <i>Lampropeltis zonata (pulchra)</i> California mountain kingsnake (San Diego population)		G4G5 S1S2	None	None	DFG:SSC USFS:S	
+ <i>Masticophis flagellum ruddocki</i> San Joaquin whipsnake		G5T2T3 S2?	None	None	DFG:SSC	
+ <i>Masticophis lateralis euryxanthus</i> Alameda whipsnake		G4T2 S2	Threatened	Threatened		
<i>Pituophis catenifer pumilus</i> Santa Cruz Island gopher snake		G5T1T2 S1?	None	None	DFG:SSC	
+ <i>Salvadora hexalepis virgultea</i> coast patch-nosed snake		G5T3 S2S3	None	None	DFG:SSC	
NATRICIDAE (live-bearing snakes)						
+ <i>Thamnophis gigas</i> giant garter snake		G2G3 S2S3	Threatened	Threatened	IUCN:VU	
+ <i>Thamnophis hammondii</i> two-striped garter snake		G3 S2	None	None	BLM:S DFG:SSC IUCN:DD USFS:S	
+ <i>Thamnophis hammondii</i> ssp. Santa Catalina garter snake		G3T1? S1	None	None		
<i>Thamnophis sirtalis</i> ssp. south coast garter snake		G5T1T2 S1S2	None	None	DFG:SSC	
+ <i>Thamnophis sirtalis tetradactyla</i> San Francisco garter snake		G5T2 S2	Endangered	Endangered	DFG:FP	
VIPERIIDAE (vipers)						

Special Animals List - February 2008

Reptiles

Species	Comment	Rank	ESA	CESA	Other Status	Notes
VIPERIIDAE (vipers)						
+ <i>Crotalus ruber ruber</i> northern red-diamond rattlesnake		G4T3T4 S2?	None	None	DFG:SSC	

Special Animals List - February 2008

Birds

Species	Comment	Rank	ESA	CESA	Other Status	Notes
ANATIDAE (ducks, geese, and swans)						
<i>Anser albifrons elegans</i> tule greater white-fronted goose	(Wintering)	G5T2T3 S2S3	None	None	DFG:SSC	
<i>Aythya americana</i> redhead	(nesting)	G5 SNR	None	None	DFG:SSC	
<i>Aythya valisineria</i> canvasback	(Nesting)	G5 S2?	None	None	IUCN:LC	
<i>Branta bernicla</i> brant		G5 SNR	None	None	DFG:SSC IUCN:LC	
+ <i>Branta hutchinsii leucopareia</i> cackling (=Aleutian Canada) goose	(Wintering)	G5T4 S2	Delisted	None		
<i>Bucephala islandica</i> Barrow's goldeneye	(Nesting)	G5 S1	None	None	DFG:SSC IUCN:LC	
+ <i>Dendrocygna bicolor</i> fulvous whistling-duck	(Nesting)	G5 S1	None	None	DFG:SSC IUCN:LC	
+ <i>Histrionicus histrionicus</i> harlequin duck	(Nesting)	G4 S2	None	None	ABC:GL BLM:S DFG:SSC IUCN:LC	
PHASIANIDAE (grouse and ptarmigan)						
+ <i>Bonasa umbellus</i> ruffed grouse		G5 S4	None	None	DFG:WL IUCN:LC	
+ <i>Centrocercus urophasianus</i> greater sage-grouse	(Nesting & leks)	G4 S3	None	None	ABC:GL AUDUBON:WL BLM:S DFG:SSC IUCN:NT USFS:S	
+ <i>Dendragapus fuliginosus howardi</i> Mount Pinos sooty grouse		G5T1T2 S1S2	None	None	DFG:SSC	Yes
<i>Tympanuchus phasianellus columbianus</i> Columbian sharp-tailed grouse		G4T3 SX	None	None	DFG:SSC IUCN:LC	
ODONTOPHORIDAE (partridge and quail)						
<i>Callipepla californica catalinensis</i> Catalina California quail		G5TNR SNR	None	None	DFG:SSC	
GAVIIDAE (loons)						
<i>Gavia immer</i> common loon	(Nesting)	G5 S1	None	None	DFG:SSC IUCN:LC	
DIOMEDEIDAE (albatross)						
<i>Phoebastria albatrus</i> short-tailed albatross		G1 S1	Endangered	None	DFG:SSC IUCN:VU	
HYDROBATIDAE (storm petrels)						
+ <i>Oceanodroma furcata</i> fork-tailed storm-petrel	(Rookery site)	G5 S1	None	None	DFG:SSC IUCN:LC	
+ <i>Oceanodroma homochroa</i> ashy storm-petrel	(Rookery site)	G2 S2	None	None	ABC:GL AUDUBON:WL DFG:SSC IUCN:EN USBC:WL USFWS:BCC	
+ <i>Oceanodroma Melania</i> black storm-petrel	(Rookery site)	G2 S1	None	None	ABC:GL AUDUBON:WL DFG:SSC IUCN:LC USBC:WL	
PELECANIIDAE (pelicans)						
+ <i>Pelecanus erythrorhynchos</i> American white pelican	(Nesting colony)	G3 S1	None	None	DFG:SSC IUCN:LC	

Special Animals List - February 2008

Birds

Species	Comment	Rank	ESA	CESA	Other Status	Notes
PELECANIIDAE (pelicans)						
+ <i>Pelecanus occidentalis californicus</i> California brown pelican	(Nesting colony & communal roosts)	G4T3 S1S2	Endangered	Endangered	IUCN:LC	
PHALACROCORACIDAE (cormorants)						
+ <i>Phalacrocorax auritus</i> double-crested cormorant	(Rookery site)	G5 S3	None	None	DFG:WL IUCN:LC	
ARDEIDAE (herons, egrets, and bitterns)						
+ <i>Ardea alba</i> great egret	(Rookery site)	G5 S4	None	None	CDF:S IUCN:LC	
+ <i>Ardea herodias</i> great blue heron	(Rookery site)	G5 S4	None	None	CDF:S IUCN:LC	
<i>Botaurus lentiginosus</i> American bittern		G4 S3	None	None	IUCN:LC	
+ <i>Egretta thula</i> snowy egret	(Rookery site)	G5 S4	None	None	IUCN:LC USBC:WL	
+ <i>Ixobrychus exilis</i> least bittern	(Nesting)	G5 S1	None	None	DFG:SSC IUCN:LC	
+ <i>Nycticorax nycticorax</i> black-crowned night heron	(Rookery site)	G5 S3	None	None	BLM:S IUCN:LC	
THRESKIORNITHIDAE (ibises and spoonbills)						
+ <i>Plegadis chihi</i> white-faced ibis	(Rookery site)	G5 S1	None	None	DFG:WL IUCN:LC	
CICONIIDAE (storks)						
<i>Mycteria americana</i> wood stork		G4 S2?	None	None	DFG:SSC IUCN:LC USBC:WL	
CATHARTIDAE (New World vultures)						
+ <i>Gymnogyps californianus</i> California condor		G1 S1	Endangered	Endangered	ABC:GL AUDUBON:WL CDF:S IUCN:CR USBC:WL	
ACCIPITRIDAE (hawks, kites, harriers, & eagles)						
+ <i>Accipiter cooperii</i> Cooper's hawk	(Nesting)	G5 S3	None	None	DFG:WL IUCN:LC	
+ <i>Accipiter gentilis</i> northern goshawk	(Nesting)	G5 S3	None	None	BLM:S CDF:S DFG:SSC IUCN:LC USFS:S	
+ <i>Accipiter striatus</i> sharp-shinned hawk	(Nesting)	G5 S3	None	None	DFG:WL IUCN:LC	
+ <i>Aquila chrysaetos</i> golden eagle	(Nesting and Wintering)	G5 S3	None	None	BLM:S CDF:S DFG:FP DFG:WL IUCN:LC USFWS:BCC	
+ <i>Buteo regalis</i> ferruginous hawk	(Wintering)	G4 S3S4	None	None	AUDUBON:WL BLM:S DFG:WL IUCN:NT USFWS:BCC	
+ <i>Buteo swainsoni</i> Swainson's hawk	(Nesting)	G5 S2	None	Threatened	ABC:GL AUDUBON:WL USBC:WL USFS:S USFWS:BCC	

Special Animals List - February 2008

Birds

Species	Comment	Rank	ESA	CESA	Other Status	Notes
ACCIPITRIDAE (hawks, kites, harriers, & eagles)						
+ <i>Circus cyaneus</i> northern harrier	(Nesting)	G5 S3	None	None	DFG:SSC IUCN:LC	
+ <i>Elanus leucurus</i> white-tailed kite	(Nesting)	G5 S3	None	None	DFG:FP	
+ <i>Haliaeetus leucocephalus</i> bald eagle	(Nesting and wintering)	G5 S2	Delisted	Endangered	CDF:S DFG:FP IUCN:LC	
+ <i>Pandion haliaetus</i> osprey	(Nesting)	G5 S3	None	None	CDF:S DFG:WL IUCN:LC	
<i>Parabuteo unicinctus</i> Harris' hawk	(Nesting)	G5 SH	None	None	AUDUBON:WL DFG:WL IUCN:LC	
FALCONIDAE (falcons)						
+ <i>Falco columbarius</i> merlin	(Wintering)	G5 S3	None	None	DFG:WL IUCN:LC	
+ <i>Falco mexicanus</i> prairie falcon	(Nesting)	G5 S3	None	None	DFG:WL IUCN:LC USFWS:BCC	
+ <i>Falco peregrinus anatum</i> American peregrine falcon	(Nesting)	G4T3 S2	Delisted	Endangered	CDF:S DFG:FP IUCN:LC USFS:S USFWS:BCC	
RALLIDAE (rails, coots, and gallinules)						
+ <i>Coturnicops noveboracensis</i> yellow rail		G4 S1S2	None	None	ABC:GL AUDUBON:WL DFG:SSC IUCN:LC USBC:WL USFWS:BCC	
+ <i>Lateralis jamaicensis coturniculus</i> California black rail		G4T1 S1	None	Threatened	ABC:GL AUDUBON:WL DFG:FP IUCN:NT USBC:WL USFWS:BCC	
+ <i>Rallus longirostris levipes</i> light-footed clapper rail		G5T1T2 S1	Endangered	Endangered	DFG:FP IUCN:LC USBC:WL	
+ <i>Rallus longirostris obsoletus</i> California clapper rail		G5T1 S1	Endangered	Endangered	DFG:FP IUCN:LC USBC:WL	
+ <i>Rallus longirostris yumanensis</i> Yuma clapper rail		G5T3 S1	Endangered	Threatened	DFG:FP IUCN:LC USBC:WL	
GRUIDAE (cranes)						
<i>Grus canadensis canadensis</i> lesser sandhill crane	(Wintering)	G5T4 SNR	None	None	DFG:SSC	
+ <i>Grus canadensis tabida</i> greater sandhill crane	(Nesting & wintering)	G5T4 S2	None	Threatened	DFG:FP IUCN:LC USFS:S	
CHARADRIIDAE (plovers and relatives)						
+ <i>Charadrius alexandrinus nivosus</i> western snowy plover	(Nesting)	G4T3 S2	Threatened	None	ABC:GL AUDUBON:WL DFG:SSC USBC:WL USFWS:BCC	Yes

Special Animals List - February 2008

Birds

Species	Comment	Rank	ESA	CESA	Other Status	Notes
CHARADRIIDAE (plovers and relatives)						
+ <i>Charadrius montanus</i> mountain plover	(Wintering)	G2 S2?	None	None	ABC:GL AUDUBON:WL BLM:S DFG:SSC IUCN:VU USBC:WL USFWS:BCC	
HAEMATOPODIDAE (oystercatchers)						
<i>Haematopus bachmani</i> black oystercatcher	(Nesting)	G5 S2	None	None	ABC:GL AUDUBON:WL IUCN:LC USBC:WL USFWS:BCC	
SCOLOPACIDAE (sandpipers and relatives)						
<i>Numenius americanus</i> long-billed curlew	(Nesting)	G5 S2	None	None	ABC:GL AUDUBON:WL DFG:WL IUCN:NT USBC:WL USFWS:BCC	
LARIDAE (gulls and terns)						
+ <i>Chlidonias niger</i> black tern	(Nesting colony)	G4 S2	None	None	DFG:SSC IUCN:LC	
+ <i>Gelochelidon nilotica</i> gull-billed tern	(Nesting colony)	G5 S1	None	None	ABC:GL DFG:SSC IUCN:LC USFWS:BCC	Yes
+ <i>Hydroprogne caspia</i> Caspian tern	(Nesting colony)	G5 S4	None	None	IUCN:LC USFWS:BCC	Yes
<i>Larus atricilla</i> laughing gull	(Nesting colony)	G5 SH	None	None	DFG:WL IUCN:LC	
+ <i>Larus californicus</i> California gull	(Nesting colony)	G5 S2	None	None	DFG:WL IUCN:LC	
+ <i>Rynchops niger</i> black skimmer	(Nesting colony)	G5 S1S3	None	None	ABC:GL DFG:SSC IUCN:LC USBC:WL USFWS:BCC	
<i>Sterna forsteri</i> Forster's tern	(Nesting colony)	G5 S4	None	None	IUCN:LC	
+ <i>Sternula antillarum browni</i> California least tern	(Nesting colony)	G4T2T3Q S2S3	Endangered	Endangered	ABC:GL DFG:FP USBC:WL	Yes
<i>Thalasseus elegans</i> elegant tern	(Nesting colony)	G2 S1	None	None	ABC:GL AUDUBON:WL DFG:WL IUCN:NT USFWS:BCC	Yes
ALCIDAE (auklets, puffins, and relatives)						
+ <i>Brachyramphus marmoratus</i> marbled murrelet	(Nesting)	G3G4 S1	Threatened	Endangered	ABC:GL AUDUBON:WL CDF:S IUCN:EN USBC:WL	
+ <i>Cerorhinca monocerata</i> rhinoceros auklet	(Nesting colony)	G5 S3	None	None	DFG:WL IUCN:LC	
+ <i>Fratercula cirrhata</i> tufted puffin	(Nesting colony)	G5 S2	None	None	DFG:SSC IUCN:LC	

Special Animals List - February 2008

Birds

Species	Comment	Rank	ESA	CESA	Other Status	Notes
ALCIDAE (auklets, puffins, and relatives)						
<i>Ptychoramphus aleuticus</i> Cassin's auklet	(Nesting colony)	G4 SNR	None	None	DFG:SSC IUCN:LC USFWS:BCC	
+ <i>Synthliboramphus hypoleucus</i> Xantus' murrelet	(Nesting colony)	G3G4 S3	Candidate	Threatened	ABC:GL AUDUBON:WL IUCN:VU USBC:WL USFWS:BCC	
CUCULIDAE (cuckoos and relatives)						
+ <i>Coccyzus americanus occidentalis</i> western yellow-billed cuckoo	(Nesting)	G5T3Q S1	Candidate	Endangered	IUCN:LC USFS:S USFWS:BCC	
STRIGIDAE (owls)						
+ <i>Asio flammeus</i> short-eared owl	(Nesting)	G5 S3	None	None	ABC:GL AUDUBON:WL DFG:SSC IUCN:LC USBC:WL	
+ <i>Asio otus</i> long-eared owl	(Nesting)	G5 S3	None	None	DFG:SSC	
+ <i>Athene cunicularia</i> burrowing owl	(Burrow sites & some wintering sites)	G4 S2	None	None	BLM:S DFG:SSC IUCN:LC USFWS:BCC	Yes
+ <i>Micrathene whitneyi</i> elf owl	(Nesting)	G5 S1	None	Endangered	ABC:GL AUDUBON:WL IUCN:LC USBC:WL USFWS:BCC	
<i>Otus flammeolus</i> flammulated owl	(Nesting)	G4 SNR	None	None	ABC:GL AUDUBON:WL IUCN:LC USBC:WL USFWS:BCC	
+ <i>Strix nebulosa</i> great gray owl	(Nesting)	G5 S1	None	Endangered	CDF:S IUCN:LC USFS:S	
<i>Strix occidentalis caurina</i> northern spotted owl		G3T3 S2S3	Threatened	None	ABC:GL AUDUBON:WL CDF:S DFG:SSC IUCN:NT USBC:WL	Yes
<i>Strix occidentalis occidentalis</i> California spotted owl		G3T3 S3	None	None	ABC:GL AUDUBON:WL BLM:S DFG:SSC IUCN:NT USBC:WL USFS:S USFWS:BCC	
APODIDAE (swifts)						
<i>Chaetura vauxi</i> Vaux's swift	(Nesting)	G5 S3	None	None	DFG:SSC IUCN:LC	

Special Animals List - February 2008

Birds

Species	Comment	Rank	ESA	CESA	Other Status	Notes
APODIDAE (swifts)						
+ <i>Cypseloides niger</i> black swift	(Nesting)	G4 S2	None	None	ABC:GL AUDUBON:WL DFG:SSC IUCN:LC USBC:WL USFWS:BCC	
TROCHILIDAE (hummingbirds)						
+ <i>Calypte costae</i> Costa's hummingbird	(Nesting)	G5 S3?	None	None	ABC:GL AUDUBON:WL IUCN:LC USBC:WL	
<i>Selasphorus rufus</i> rufous hummingbird	(Nesting)	G5 S1S2	None	None	ABC:GL AUDUBON:WL IUCN:LC USBC:WL USFWS:BCC	
<i>Selasphorus sasin</i> Allen's hummingbird	(Nesting)	G5 SNR	None	None	AUDUBON:WL IUCN:LC USBC:WL	
PICIDAE (woodpeckers)						
+ <i>Colaptes chrysoides</i> gilded flicker		G5 S1	None	Endangered	AUDUBON:WL IUCN:LC USFWS:BCC	
<i>Melanerpes lewis</i> Lewis' woodpecker	(Nesting)	G4 SNR	None	None	ABC:GL AUDUBON:WL IUCN:LC USFWS:BCC	
+ <i>Melanerpes uropygialis</i> Gila woodpecker		G5 S1S2	None	Endangered	IUCN:LC USFWS:BCC	
<i>Picoides albolarvatus</i> White-headed woodpecker	(Nesting)	G4 SNR	None	None	ABC:GL AUDUBON:WL IUCN:LC USBC:WL USFWS:BCC	
<i>Picoides nuttallii</i> Nuttall's woodpecker	(Nesting)	G5 SNR	None	None	ABC:GL AUDUBON:WL IUCN:LC USBC:WL	
<i>Sphyrapicus ruber</i> red-breasted sapsucker	(Nesting)	G5 SNR	None	None		
TYRANNIDAE (tyrant flycatchers)						
<i>Contopus cooperi</i> olive-sided flycatcher	(Nesting)	G4 S4	None	None	ABC:GL AUDUBON:WL DFG:SSC IUCN:NT USBC:WL USFWS:BCC	
+ <i>Empidonax traillii</i> willow flycatcher	(Nesting)	G5 S1S2	None	Endangered	ABC:GL AUDUBON:WL IUCN:LC USBC:WL USFS:S	Yes
<i>Empidonax traillii brewsteri</i> little willow flycatcher	(Nesting)	G5T3T4 S1S2	None	Endangered	AUDUBON:WL USBC:WL	Yes
+ <i>Empidonax traillii extimus</i> southwestern willow flycatcher	(Nesting)	G5T1T2 S1	Endangered	Endangered	AUDUBON:WL USBC:WL	Yes
+ <i>Myiarchus tyrannulus</i> brown-crested flycatcher	(Nesting)	G5 S2S3	None	None	DFG:WL IUCN:LC	

Special Animals List - February 2008

Birds

Special Animals List - February 2008

Birds

Species	Comment	Rank	ESA	CESA	Other Status	Notes
TROGLODYTIDAE (wrens)						
+ <i>Campylorhynchus brunneicapillus sandiegensis</i> coastal cactus wren	(San Diego & Orange Counties only)	G5T3Q S3	None	None	DFG:SSC IUCN:LC USFS:S USFWS:BCC	Yes
<i>Cistothorus palustris clarkae</i> Clark's marsh wren		G5TNR SNR	None	None	DFG:SSC	
<i>Thryomanes bewickii leucophrys</i> San Clemente Bewick's wren		G5TX SX	None	None	DFG:SSC	
SYLVIIDAE (gnatcatchers)						
+ <i>Polioptila californica californica</i> coastal California gnatcatcher		G3T2 S2	Threatened	None	ABC:GL AUDUBON:WL DFG:SSC IUCN:LC USBC:WL	Yes
+ <i>Polioptila melanura</i> black-tailed gnatcatcher		G5 S4	None	None	IUCN:LC	
MIMIDAE (mockingbirds and thrashers)						
+ <i>Toxostoma bendirei</i> Bendire's thrasher		G4G5 S3	None	None	ABC:GL AUDUBON:WL BLM:S DFG:SSC IUCN:VU USBC:WL USFWS:BCC	
+ <i>Toxostoma crissale</i> Crissal thrasher		G5 S3	None	None	DFG:SSC IUCN:LC USFWS:BCC	
+ <i>Toxostoma lecontei</i> Le Conte's thrasher		G3 S3	None	None	ABC:GL AUDUBON:WL BLM:S DFG:SSC IUCN:LC USBC:WL USFWS:BCC	Yes
PARULIDAE (wood-warblers)						
<i>Dendroica occidentalis</i> hermit warbler	(Nesting)	G4G5 S3?	None	None	ABC:GL AUDUBON:WL IUCN:LC	
+ <i>Dendroica petechia brewsteri</i> yellow warbler	(Nesting)	G5T3? S2	None	None	DFG:SSC IUCN:LC	
+ <i>Dendroica petechia sonorana</i> Sonoran yellow warbler	(Nesting)	G5T2T3 S1	None	None	DFG:SSC IUCN:LC USFWS:BCC	
+ <i>Geothlypis trichas sinuosa</i> saltmarsh common yellowthroat		G5T2 S2	None	None	DFG:SSC IUCN:LC USFWS:BCC	Yes
+ <i>Icteria virens</i> yellow-breasted chat	(Nesting)	G5 S3	None	None	DFG:SSC IUCN:LC	
+ <i>Vermivora luciae</i> Lucy's warbler	(Nesting)	G5 S2S3	None	None	ABC:GL AUDUBON:WL DFG:SSC IUCN:LC USBC:WL	
+ <i>Vermivora virginiae</i> Virginia's warbler	(Nesting)	G5 S2S3	None	None	ABC:GL AUDUBON:WL DFG:WL IUCN:LC USBC:WL USFWS:BCC	

Special Animals List - February 2008

Birds

Species	Comment	Rank	ESA	CESA	Other Status	Notes
EMBERIZIDAE (sparrows, buntings, warblers, & relatives)						
+ <i>Aimophila ruficeps canescens</i> southern California rufous-crowned sparrow		G5T2T4 S2S3	None	None	DFG:WL IUCN:LC	
<i>Aimophila ruficeps obscura</i> Santa Cruz Island rufous-crowned sparrow		G5TNR SNR	None	None	DFG:SSC	
+ <i>Ammodramus savannarum</i> grasshopper sparrow	(Nesting)	G5 S2	None	None	DFG:SSC	
+ <i>Amphispiza belli belli</i> Bell's sage sparrow	(Nesting)	G5T2T4 S2?	None	None	DFG:WL IUCN:LC USFWS:BCC	
+ <i>Amphispiza belli clementae</i> San Clemente sage sparrow		G5T1Q S1	Threatened	None	DFG:SSC IUCN:LC USFWS:BCC	Yes
<i>Chondestes grammacus</i> lark sparrow	(Nesting)	G5 SNR	None	None		
+ <i>Junco hyemalis caniceps</i> gray-headed junco	(Nesting)	G5T5 S1	None	None	DFG:WL IUCN:LC	
<i>Melospiza melodia</i> song sparrow ("Modesto" population)		G5 SNR	None	None	DFG:SSC	
<i>Melospiza melodia graminea, sensu</i> Channel Island song sparrow		G5TNRQ SNR	None	None	DFG:SSC	Yes
+ <i>Melospiza melodia maxillaris</i> Suisun song sparrow		G5T2 S2	None	None	DFG:SSC IUCN:LC USFWS:BCC	
+ <i>Melospiza melodia pusilla</i> Alameda song sparrow		G5T2? S2?	None	None	DFG:SSC IUCN:LC USFWS:BCC	
+ <i>Melospiza melodia samuelis</i> San Pablo song sparrow		G5T2? S2?	None	None	DFG:SSC IUCN:LC USFWS:BCC	
<i>Passerculus sandwichensis alaudinus</i> Bryant's savannah sparrow		G5TNR SNR	None	None	DFG:SSC	
+ <i>Passerculus sandwichensis beldingi</i> Belding's savannah sparrow		G5T3 S3	None	Endangered	IUCN:LC	
<i>Passerculus sandwichensis rostratus</i> large-billed savannah sparrow	(Wintering)	G5T2T3 S2?	None	None	DFG:SSC IUCN:LC	
<i>Pipilo aberti</i> Abert's towhee		G3G4 S2?	None	None	ABC:GL AUDUBON:WL IUCN:LC USBC:WL	
+ <i>Pipilo crissalis eremophilus</i> Inyo California towhee		G4G5T1 S1	Threatened	Endangered	IUCN:LC	
<i>Pipilo maculatus clementae</i> San Clemente spotted towhee		G5T1 S1	None	None	DFG:SSC IUCN:LC USFWS:BCC	
+ <i>Piranga flava</i> hepatic tanager	(Nesting)	G5 S1	None	None	DFG:WL IUCN:LC	Yes
+ <i>Piranga rubra</i> summer tanager	(Nesting)	G5 S2	None	None	DFG:SSC IUCN:LC	Yes
<i>Pooecetes gramineus affinis</i> Oregon vesper sparrow	(Wintering)	G5T? S?	None	None	DFG:SSC	
<i>Spizella atrogularis</i> black-chinned sparrow	(Nesting)	G5 S3	None	None	ABC:GL AUDUBON:WL IUCN:LC USBC:WL USFWS:BCC	

Special Animals List - February 2008

Birds

Species	Comment	Rank	ESA	CESA	Other Status	Notes
EMBERIZIDAE (sparrows, buntings, warblers, & relatives)						
+ <i>Spizella breweri</i> Brewer's sparrow	(Nesting)	G5 S3	None	None	ABC:GL AUDUBON:WL IUCN:NT USBC:WL USFWS:BCC	
<i>Spizella passerina</i> chipping sparrow	(Nesting)	G5 S3S4	None	None	IUCN:LC	
CARDINALIDAE (cardinals)						
+ <i>Cardinalis cardinalis</i> northern cardinal		G5 S1	None	None	DFG:WL IUCN:LC	
ICTERIDAE (blackbirds)						
<i>Agelaius phoeniceus aciculatus</i> Kern red-winged blackbird		G5TNR SNR	None	None	DFG:SSC	
+ <i>Agelaius tricolor</i> tricolored blackbird	(Nesting colony)	G2G3 S2	None	None	ABC:GL AUDUBON:WL BLM:S DFG:SSC IUCN:LC USBC:WL USFWS:BCC	
+ <i>Xanthocephalus xanthocephalus</i> yellow-headed blackbird	(Nesting)	G5 S3S4	None	None	DFG:SSC IUCN:LC	
FRINGILLIDAE (finches and relatives)						
+ <i>Carduelis lawrencei</i> Lawrence's goldfinch	(Nesting)	G3G4 S3	None	None	ABC:GL AUDUBON:WL IUCN:LC USBC:WL USFWS:BCC	

Special Animals List - February 2008

Mammals

Species	Comment	Rank	ESA	CESA	Other Status	Notes
TALPIDAE (moles)						
+ <i>Scapanus latimanus insularis</i> Angel Island mole		G5T1 S1	None	None	IUCN:LC	Yes
+ <i>Scapanus latimanus parvus</i> Alameda Island mole		G5T1Q S1	None	None	DFG:SSC IUCN:LC	Yes
SORICIDAE (shrews)						
+ <i>Sorex lyelli</i> Mount Lyell shrew		G2G3 S2S3	None	None	DFG:SSC IUCN:LC	
+ <i>Sorex ornatus relictus</i> Buena Vista Lake shrew		G5T1 S1	Endangered	None	DFG:SSC IUCN:LC	Yes
<i>Sorex ornatus salarius</i> Monterey shrew		G5T1T2 S1S2	None	None	DFG:SSC IUCN:LC	Yes
+ <i>Sorex ornatus salicornicus</i> southern California saltmarsh shrew		G5T1? S1	None	None	DFG:SSC IUCN:LC	Yes
+ <i>Sorex ornatus sinuosus</i> Suisun shrew		G5T1 S1	None	None	DFG:SSC IUCN:LC	Yes
+ <i>Sorex ornatus willetti</i> Santa Catalina shrew		G5T1 S1	None	None	DFG:SSC IUCN:LC	Yes
+ <i>Sorex vagrans halicoetes</i> salt-marsh wandering shrew		G5T1 S1	None	None	DFG:SSC IUCN:LC	Yes
<i>Sorex vagrans paludivagus</i> Monterey vagrant shrew		G5T1 S1	None	None	IUCN:LC	Yes
PHYLLOSTOMIDAE (leaf-nosed bats)						
+ <i>Choeronycteris mexicana</i> Mexican long-tongued bat		G4 S1	None	None	DFG:SSC IUCN:NT WBWG:H	
<i>Leptonycteris yerbabuenae</i> lesser long-nosed bat		G4 S1	Endangered	None		Yes
+ <i>Macrotus californicus</i> California leaf-nosed bat		G4 S2S3	None	None	BLM:S DFG:SSC IUCN:VU USFS:S WBWG:H	
VESPERTILIONIDAE (evening bats)						
+ <i>Antrozous pallidus</i> pallid bat		G5 S3	None	None	BLM:S DFG:SSC IUCN:LC USFS:S WBWG:H	
+ <i>Corynorhinus townsendii</i> Townsend's big-eared bat		G4 S2S3	None	None	BLM:S DFG:SSC IUCN:VU USFS:S WBWG:H	
+ <i>Euderma maculatum</i> spotted bat		G4 S2S3	None	None	BLM:S DFG:SSC IUCN:LC WBWG:H	
+ <i>Lasionycteris noctivagans</i> silver-haired bat		G5 S3S4	None	None	IUCN:LC WBWG:M	
+ <i>Lasiurus blossevillii</i> western red bat		G5 S3?	None	None	DFG:SSC USFS:S WBWG:H	Yes
+ <i>Lasiurus cinereus</i> hoary bat		G5 S4?	None	None	IUCN:LC WBWG:M	
+ <i>Lasiurus xanthinus</i> western yellow bat		G5 S3	None	None	IUCN:LC WBWG:H	Yes
+ <i>Myotis ciliolabrum</i> western small-footed myotis		G5 S2S3	None	None	BLM:S IUCN:LC WBWG:M	

Special Animals List - February 2008

Mammals

Species	Comment	Rank	ESA	CESA	Other Status	Notes
VESPERTILIONIDAE (evening bats)						
+ <i>Myotis evotis</i> long-eared myotis		G5 S4?	None	None	BLM:S IUCN:LC WBWG:M	
<i>Myotis lucifugus</i> little brown bat	(San Bernardino Mts population)	G5 S2S3	None	None	IUCN:LC WBWG:M	
+ <i>Myotis occultus</i> Arizona Myotis		G3G4 S2S3	None	None	DFG:SSC WBWG:M	
+ <i>Myotis thysanodes</i> fringed myotis		G4G5 S4	None	None	BLM:S IUCN:LC WBWG:H	
+ <i>Myotis velifer</i> cave myotis		G5 S1	None	None	BLM:S DFG:SSC IUCN:LC WBWG:M	
+ <i>Myotis volans</i> long-legged myotis		G5 S4?	None	None	IUCN:LC WBWG:H	
+ <i>Myotis yumanensis</i> Yuma myotis		G5 S4?	None	None	BLM:S IUCN:LC WBWG:LM	
MOLOSSIDAE (free-tailed bats)						
+ <i>Eumops perotis californicus</i> western mastiff bat		G5T4 S3?	None	None	BLM:S DFG:SSC IUCN:LC WBWG:H	
+ <i>Nyctinomops femorosaccus</i> pocketed free-tailed bat		G4 S2S3	None	None	DFG:SSC IUCN:LC WBWG:M	
+ <i>Nyctinomops macrotis</i> big free-tailed bat		G5 S2	None	None	DFG:SSC IUCN:LC WBWG:MH	
OCHOTONIDAE (pikas)						
+ <i>Ochotona princeps albata</i> Mt. Whitney pika		G5T2T4 S2S4	None	None	IUCN:LC	Yes
+ <i>Ochotona princeps muiri</i> Yosemite pika		G5T2T4 S2S4	None	None	IUCN:LC	Yes
+ <i>Ochotona princeps schisticeps</i> gray-headed pika		G5T2T4 S2S4	None	None	IUCN:LC	Yes
+ <i>Ochotona princeps sheltoni</i> White Mountains Pika		G5T1T2 S1S2	None	None	IUCN:LC	Yes
+ <i>Ochotona princeps taylori</i> Taylor pika		G5T2T4 S2S4	None	None	IUCN:LC	Yes
LEPORIDAE (rabbits and hares)						
+ <i>Brachylagus idahoensis</i> pygmy rabbit		G4 S3	None	None	BLM:S DFG:SSC IUCN:NT	
+ <i>Lepus americanus klamathensis</i> Oregon snowshoe hare		G5T3T4Q S2?	None	None	DFG:SSC IUCN:LC	Yes
+ <i>Lepus americanus tahoensis</i> Sierra Nevada snowshoe hare		G5T3T4Q S2?	None	None	DFG:SSC IUCN:LC	Yes
+ <i>Lepus californicus bennettii</i> San Diego black-tailed jackrabbit		G5T3? S3?	None	None	DFG:SSC IUCN:LC	Yes
<i>Lepus townsendii townsendii</i> western white-tailed jackrabbit		G5T5 S3?	None	None	DFG:SSC IUCN:LC	Yes
+ <i>Sylvilagus bachmani riparius</i> riparian brush rabbit		G5T1 S1	Endangered	Endangered	IUCN:LC	Yes
APLODONTIDAE (mountain beavers)						
+ <i>Aplopontia rufa californica</i> Sierra Nevada mountain beaver		G5T3T4 S2S3	None	None	DFG:SSC IUCN:NT	

Special Animals List - February 2008

Mammals

Species	Comment	Rank	ESA	CESA	Other Status	Notes
APLODONTIDAE (mountain beavers)						
+ <i>Aplodontia rufa nigra</i> Point Arena mountain beaver		G5T1 S1	Endangered	None	DFG:SSC IUCN:VU	
+ <i>Aplodontia rufa phaea</i> Point Reyes mountain beaver		G5T2 S2	None	None	DFG:SSC IUCN:VU	
SCIURIDAE (squirrels and relatives)						
+ <i>Ammospermophilus nelsoni</i> Nelson's antelope squirrel		G2 S2	None	Threatened	IUCN:EN	
+ <i>Glaucomys sabrinus californicus</i> San Bernardino flying squirrel		G5T2T3 S2S3	None	None	DFG:SSC IUCN:LC USFS:S	Yes
+ <i>Neotamias panamintinus acrus</i> Kingston Mountain chipmunk		G4T1T2 S1S2	None	None	IUCN:LC	Yes
+ <i>Neotamias speciosus callipeplus</i> Mount Pinos chipmunk		G4T1T2 S1S2	None	None	IUCN:LC USFS:S	Yes
+ <i>Neotamias speciosus speciosus</i> lodgepole chipmunk		G4T2T3 S2S3	None	None	IUCN:LC	Yes
<i>Spermophilus lateralis bernardinus</i> San Bernardino ground squirrel		G5T1 S1	None	None	IUCN:LC	Yes
+ <i>Spermophilus mohavensis</i> Mohave ground squirrel		G2G3 S2S3	None	Threatened	IUCN:VU	
+ <i>Spermophilus tereticaudus chlorus</i> Palm Springs round-tailed ground squirrel		G5T1T2 S1S2	Candidate	None	DFG:SSC IUCN:DD	
GEOMYIDAE (pocket gophers)						
<i>Thomomys bottae operarius</i> Owens Lake pocket gopher		G5T1? S1?	None	None		
HETEROMYIDAE (kangaroo rats, pockets mice, & kangaroo mice)						
+ <i>Chaetodipus californicus femoralis</i> Dulzura pocket mouse		G5T3 S2?	None	None	DFG:SSC IUCN:DD	Yes
+ <i>Chaetodipus fallax fallax</i> northwestern San Diego pocket mouse		G5T3 S2S3	None	None	DFG:SSC IUCN:DD	Yes
+ <i>Chaetodipus fallax pallidus</i> pallid San Diego pocket mouse		G5T3 S3	None	None	DFG:SSC IUCN:DD	
+ <i>Dipodomys californicus eximius</i> Marysville California kangaroo rat		G4T1 S1	None	None	BLM:S DFG:SSC IUCN:LC	Yes
+ <i>Dipodomys heermanni berkeleyensis</i> Berkeley kangaroo rat		G3G4T1 S1	None	None	IUCN:VU	
+ <i>Dipodomys heermanni dixoni</i> Merced kangaroo rat		G3G4T12T3 S2S3	None	None	IUCN:NT	
+ <i>Dipodomys heermanni morroensis</i> Morro Bay kangaroo rat		G3G4T1 S1	Endangered	Endangered	DFG:FP IUCN:CR	
+ <i>Dipodomys ingens</i> giant kangaroo rat		G2 S2	Endangered	Endangered	IUCN:CR	
<i>Dipodomys merriami collinus</i> Earthquake Merriam's kangaroo rat		G5T1T2 S1S2	None	None	IUCN:DD	
+ <i>Dipodomys merriami parvus</i> San Bernardino kangaroo rat		G5T1 S1	Endangered	None	DFG:SSC IUCN:DD	
+ <i>Dipodomys nitratoides brevinasus</i> short-nosed kangaroo rat		G3T1T2 S1S2	None	None	BLM:S DFG:SSC IUCN:NT	
+ <i>Dipodomys nitratoides exilis</i> Fresno kangaroo rat		G3T1 S1	Endangered	Endangered	IUCN:CR	
+ <i>Dipodomys nitratoides nitratoides</i> Tipton kangaroo rat		G3T1 S1	Endangered	Endangered	IUCN:CR	
+ <i>Dipodomys panamintinus argusensis</i> Argus Mountains kangaroo rat		G5T1T3 S1S3	None	None		

Special Animals List - February 2008

Mammals

Species	Comment	Rank	ESA	CESA	Other Status	Notes
HETEROMYIDAE (kangaroo rats, pockets mice, & kangaroo mice)						
+ <i>Dipodomys panamintinus</i> panamintinus	Panamint kangaroo rat	G5T3 S3	None	None		
+ <i>Dipodomys stephensi</i> Stephens' kangaroo rat		G2 S2	Endangered	Threatened		Yes
+ <i>Dipodomys venustus elephantinus</i> big-eared kangaroo rat		G3G4T2 S2	None	None	DFG:SSC IUCN:LC	Yes
+ <i>Dipodomys venustus venustus</i> Santa Cruz kangaroo rat		G4T1 S1	None	None	IUCN:LC	Yes
+ <i>Perognathus alticolus alticolus</i> white-eared pocket mouse		G1G2TH SH	None	None	BLM:S DFG:SSC IUCN:CR USFS:S	Yes
+ <i>Perognathus alticolus inexpectatus</i> Tehachapi pocket mouse		G1G2T1T2 S1S2	None	None	DFG:SSC IUCN:NT USFS:S	Yes
+ <i>Perognathus inornatus inornatus</i> San Joaquin pocket mouse		G4T2T3 S2S3	None	None	BLM:S IUCN:LC	Yes
<i>Perognathus inornatus neglectus</i> McKittrick pocket mouse		G4T2T3 S2S3	None	None	IUCN:NT	
+ <i>Perognathus inornatus psammophilus</i> Salinas pocket mouse		G4T2? S2?	None	None	DFG:SSC IUCN:NT	
+ <i>Perognathus longimembris bangsi</i> Palm Springs pocket mouse		G5T2T3 S2S3	None	None	BLM:S DFG:SSC IUCN:DD	
+ <i>Perognathus longimembris brevinasus</i> Los Angeles pocket mouse		G5T1T2 S1S2	None	None	DFG:SSC IUCN:VU USFS:S	
+ <i>Perognathus longimembris internationalis</i> Jacumba pocket mouse		G5T2T3 S1S2	None	None	DFG:SSC IUCN:DD	
+ <i>Perognathus longimembris pacificus</i> Pacific pocket mouse		G5T1 S1	Endangered	None	DFG:SSC IUCN:CR	
<i>Perognathus longimembris salinensis</i> Saline Valley pocket mouse		G5T1 S1	None	None		
<i>Perognathus longimembris tularensis</i> Tulare pocket mouse		G5T1 S1	None	None		
+ <i>Perognathus parvus xanthonotus</i> yellow-eared pocket mouse		G5T2T3 S1S2	None	None	BLM:S	
MURIDAE (mice, rats, and voles)						
+ <i>Arborimus albipes</i> white-footed vole		G3G4 S2S3	None	None	DFG:SSC IUCN:DD	
+ <i>Arborimus pomoe</i> Sonoma tree vole		G3 S3	None	None	DFG:SSC IUCN:DD	
<i>Microtus californicus halophilus</i> Monterey vole		G5T1 S1	None	None		
+ <i>Microtus californicus mohavensis</i> Mohave river vole		G5T1 S1	None	None	DFG:SSC IUCN:VU	
+ <i>Microtus californicus sanpabloensis</i> San Pablo vole		G5T1T2 S1S2	None	None	DFG:SSC	
+ <i>Microtus californicus scirpensis</i> Amargosa vole		G5T1 S1	Endangered	Endangered	IUCN:VU	
+ <i>Microtus californicus stephensi</i> south coast marsh vole		G5T1T2 S1S2	None	None	DFG:SSC IUCN:DD	
+ <i>Microtus californicus vallicola</i> Owens Valley vole		G5T1 S1	None	None	BLM:S DFG:SSC IUCN:NT	
+ <i>Neotoma albigula venusta</i> Colorado Valley woodrat		G5T3T4 S1S2	None	None	IUCN:LC	Yes

Special Animals List - February 2008

Mammals

Species	Comment	Rank	ESA	CESA	Other Status	Notes
MURIDAE (mice, rats, and voles)						
+ <i>Neotoma fuscipes annectens</i> San Francisco dusky-footed woodrat		G5T2T3 S2S3	None	None	DFG:SSC IUCN:DD	
+ <i>Neotoma fuscipes riparia</i> riparian (=San Joaquin Valley) woodrat		G5T1Q S1	Endangered	None	DFG:SSC IUCN:CR	Yes
+ <i>Neotoma lepida intermedia</i> San Diego desert woodrat		G5T3? S3?	None	None	DFG:SSC IUCN:DD	
+ <i>Neotoma macrotis luciana</i> Monterey dusky-footed woodrat		G5T3? S3?	None	None	DFG:SSC	
+ <i>Onychomys torridus ramona</i> southern grasshopper mouse		G5T3? S3?	None	None	DFG:SSC IUCN:DD	
+ <i>Onychomys torridus tulaensis</i> Tulare grasshopper mouse		G5T1T2 S1S2	None	None	BLM:S DFG:SSC IUCN:DD	
+ <i>Peromyscus maniculatus anacapae</i> Anacapa Island deer mouse		G5T1T2 S1S2	None	None	DFG:SSC IUCN:NT	
<i>Peromyscus maniculatus clementis</i> San Clemente deer mouse		G5T1T2 S1S2	None	None	DFG:SSC IUCN:NT	
+ <i>Reithrodontomys megalotis distichlis</i> Salinas harvest mouse		G5T1 S1	None	None	IUCN:LC	Yes
+ <i>Reithrodontomys megalotis santacruzae</i> Santa Cruz harvest mouse		G5T1Q S1	None	None	IUCN:LC	Yes
+ <i>Reithrodontomys raviventris</i> salt-marsh harvest mouse		G1G2 S1S2	Endangered	Endangered	DFG:FP IUCN:VU	
+ <i>Sigmodon arizonae plenus</i> Colorado River cotton rat		G5T2T3 SH	None	None	DFG:SSC IUCN:NT	
+ <i>Sigmodon hispidus eremicus</i> Yuma hispid cotton rat		G5T2T3 S2	None	None	DFG:SSC IUCN:NT	
DIPODIDAE (jumping mice)						
+ <i>Zapus trinotatus orarius</i> Point Reyes jumping mouse		G5T1T3Q S1S3	None	None	DFG:SSC	Yes
CANIDAE (foxes, wolves, and coyotes)						
+ <i>Urocyon littoralis</i> island fox		G1 S1	Endangered	Threatened	IUCN:CR	Yes
<i>Urocyon littoralis catalinae</i> Santa Catalina Island fox		G1T1 S1	Endangered	Threatened		
<i>Urocyon littoralis littoralis</i> San Miguel Island fox		G1T1 S1	Endangered	Threatened		
<i>Urocyon littoralis santacruzae</i> Santa Cruz Island fox		G1T1 S1	Endangered	Threatened		
<i>Urocyon littoralis santarosae</i> Santa Rosa Island fox		G1T1 S1	Endangered	Threatened		
+ <i>Vulpes macrotis mutica</i> San Joaquin kit fox		G4T2T3 S2S3	Endangered	Threatened	IUCN:LC	Yes
+ <i>Vulpes vulpes necator</i> Sierra Nevada red fox		G5T3 S1	None	Threatened	USFS:S	
MUSTELIDAE (weasels and relatives)						
+ <i>Enhydra lutris nereis</i> southern sea otter		G4T2 S2	Threatened	None	DFG:FP IUCN:EN MMC:SSC	Yes
+ <i>Gulo gulo</i> California wolverine		G4 S2	None	Threatened	DFG:FP IUCN:VU USFS:S	
+ <i>Lontra canadensis sonora</i> southwestern river otter		G5T1 S1	None	None	BLM:S DFG:SSC IUCN:LC	Yes
+ <i>Martes americana</i> American (=pine) marten		G5 S3S4	None	None	IUCN:LC USFS:S	

Special Animals List - February 2008

Mammals

Species	Comment	Rank	ESA	CESA	Other Status	Notes
MUSTELIDAE (weasels and relatives)						
+ <i>Martes americana humboldtensis</i> Humboldt marten		G5T2T3 S2S3	None	None	DFG:SSC IUCN:LC USFS:S	Yes
+ <i>Martes americana sierrae</i> Sierra marten		G5T3T4 S3S4	None	None	IUCN:LC USFS:S	Yes
+ <i>Martes pennanti (pacific)</i> DPS Pacific fisher		G5 S2S3	Candidate	None	BLM:S DFG:SSC IUCN:LC USFS:S	Yes
+ <i>Taxidea taxus</i> American badger		G5 S4	None	None	DFG:SSC IUCN:LC	
MEPHITIDAE (skunks)						
+ <i>Spilogale gracilis amphiala</i> Channel Islands spotted skunk		G5T3 S3	None	None	DFG:SSC	
FELIDAE (cats and relatives)						
<i>Lynx rufus pallidus</i> pallid bobcat		G5T3? S3?	None	None		
+ <i>Puma concolor browni</i> Yuma mountain lion		G5T1T2Q S1	None	None	DFG:SSC	
OTARIIDAE (sea lions and fur seals)						
+ <i>Arctocephalus townsendi</i> Guadalupe fur-seal		G1 S1	Threatened	Threatened	DFG:FP IUCN:VU	
+ <i>Callorhinus ursinus</i> northern fur-seal		G3 S1	None	None	IUCN:VU	
+ <i>Eumetopias jubatus</i> Steller (=northern) sea-lion		G3 S2	Threatened	None	IUCN:EN MMC:SSC	
BOVIDAE (sheep and relatives)						
+ <i>Ovis canadensis nelsoni</i> Nelson's bighorn sheep		G4T4 S3	None	None	BLM:S USFS:S	Yes
+ <i>Ovis canadensis nelsoni</i> DPS peninsular bighorn sheep		G4T3Q S1	Endangered	Threatened	DFG:FP	Yes
+ <i>Ovis canadensis sierrae</i> Sierra Nevada bighorn sheep		G4T1 S1	Endangered	Endangered	DFG:FP	Yes

Special Animals List - February 2008

End Notes

Invertebrates

INSECTA, Order Coleoptera (beetles)

Trigonoscuta sp.

Doyen's trigonoscuta dune weevil

- 1) Sometimes referred to as "Trigonoscuta doyenii" which is an unpublished manuscript name.

Fishes

ACIPENSERIDAE (sturgeon)

Acipenser medirostris

green sturgeon

- 1) Federal listing includes all spawning populations south of the Eel River.
- 2) The NMFS "Special Concern" designation refers to the northern DPS which includes spawning populations north of the Eel River (inclusive).

SALMONIDAE (trout & salmon)

Oncorhynchus kisutch

coho salmon - central California coast ESU

- 1) The federal listing is limited to naturally spawning populations in streams between Punta Gorda, Humboldt Co. and the San Lorenzo River, Santa Cruz Co.
- 2) The state listing is limited to Coho south of Punta Gorda, Humboldt Co.

Coho salmon - northern California population

- 1) The state listing includes the San Francisco portion of the federal "Central California Coast ESU" and the northern California portion of the federal "So. Oregon/No. California ESU". The "Central California Coast ESU" is federally listed as "Endangered". The "So. Oregon/No. California ESU" is federally listed as "Threatened".

coho salmon - southern Oregon / northern California ESU

- 1) Federal listing refers to populations between Cape Blanco, Oregon & Punta Gorda, Humboldt Co. California.
- 2) State listing refers to populations between the Oregon border & Punta Gorda, Humboldt Co. California.

Oncorhynchus mykiss irideus

southern steelhead - southern California ESU

- 1) The federal designation refers to fish in the coastal basins from the Santa Maria River (inclusive), south to the U.S. - Mexico Border.
- 2) The DFG "Species of Special Concern" designation refers to southern steelhead trout.

steelhead - Central California Coast ESU

- 1) Federal listing includes all runs in coastal basins from the Russian River in Sonoma County, south to Soquel Creek in Santa Cruz County, inclusive. It includes the San Francisco and San Pablo Bay basins, but excludes the Sacramento-San Joaquin River basins.

steelhead - Central Valley ESU

- 1) Federal listing includes all runs in the Sacramento & San Joaquin Rivers and their tributaries.

steelhead - Klamath Mountains Province ESU

- 1) This ESU includes all naturally spawned populations residing in streams between the Elk River in Oregon and the Klamath River in California, inclusive.
- 2) The SSC designation refers only to the California portion of the ESU and refers only to the summer-run.

steelhead - south/central California coast ESU

- 1) Federal listing includes all runs in coastal basins from the Pajaro River south to, but not including, the Santa Maria River.
- 2) The DFG "Species of Special Concern" designation refers to southern steelhead trout.

steelhead-northern California ESU

- 1) The federal designation refers to naturally spawned populations residing below impassable barriers in coastal basins from Redwood Creek in Humboldt Co. to, and including, the Gualala River in Mendocino Co.
- 2) The DFG "Species of Special Concern" designation refers only to the summer-run.

summer-run steelhead trout

- 1) Summer-run steelhead are part of both the Klamath Mountains Province ESU and the Northern California ESU.

Oncorhynchus tshawytscha

chinook salmon - California coastal ESU

- 1) Originally proposed as part of a larger Southern Oregon & California Coastal ESU. This new ESU was revised to include only naturally spawned coastal spring & fall-run chinook salmon between Redwood Creek in Humboldt Co & the Russian River in Sonoma Co.

Fishes

SALMONIDAE (trout & salmon)

Oncorhynchus tshawytscha

chinook salmon - Central Valley fall / late fall-run ESU

- 1) The Central Valley fall/late fall-run ESU refers to populations spawning in the Sacramento & San Joaquin Rivers and their tributaries.
- 2) The DFG "Species of Special Concern" designation refers only to the fall-run.

Oncorhynchus tshawytscha spring-run

spring-run chinook salmon

- 1) Federal listing refers to the Central Valley Spring-run ESU. It includes populations spawning in the Sacramento River & its tributaries.

CYPRINIDAE (minnows and carp)

Lavinia symmetricus ssp. 1

San Joaquin roach

- 1) Current taxonomy considers this taxon to be a population of *Lavinia symmetricus symmetricus*, the Sacramento-San Joaquin roach.

Rhinichthys osculus ssp. 1

Amargosa Canyon speckled dace

- 1) Current taxonomy considers this taxon to be a distinct population of *Rhinichthys osculus nevadensis*.

Rhinichthys osculus ssp. 2

Owens speckled dace

- 1) Current taxonomy includes the Benton Valley speckled dace (formerly ssp 4) with the Owens speckled dace.

GASTEROSTEIDAE (sticklebacks)

Gasterosteus aculeatus microcephalus

resident threespine stickleback

- 1) The U.S. Forest Service "Sensitive" designation refers to the full species.

Gasterosteus aculeatus santaannae

Santa Ana (=Shay Creek) threespine stickleback

- 1) The U.S. Forest Service "Sensitive" designation refers to the full species.

Gasterosteus aculeatus williamsoni

unarmored threespine stickleback

- 1) The IUCN "Least Concern" designation and the U.S. Forest Service "Sensitive" designation refer to the full species.

Amphibians

PLETHODONTIDAE (lungless salamanders)

Plethodon asupak

Scott Bar salamander

- 1) Newly described species from what was part of the range of *Plethodon stormi*.
- 2) Since this newly described species was formerly considered to be a subpopulation of *Plethodon stormi*, and since *Plethodon stormi* is listed as Threatened under the California Endangered Species Act (CESA), *Plethodon asupak* retains the designation as a Threatened species under CESA.

BUFONIDAE (true toads)

Bufo californicus

arroyo toad

- 1) Formerly *Bufo microscaphus californicus*, now considered a full species.

RANIDAE

Rana aurora aurora

northern red-legged frog

- 1) A recent mtDNA study concludes that *Rana aurora aurora* and *Rana aurora draytonii* should be recognized as separate species with a narrow zone of overlap.

Rana aurora draytonii

California red-legged frog

Amphibians

RANIDAE

Rana aurora draytonii

California red-legged frog

- 1) A recent mtDNA study concludes that *Rana aurora aurora* and *Rana aurora draytonii* should be recognized as separate species with a narrow zone of overlap, and that the range of *draytonii* extends about 100 km further north in coastal California than previously thought.
- 2) Federal listing does not include Humboldt, Trinity, & Mendocino Counties; Glenn, Lake & Sonoma Counties west of the Central Valley Hydrologic Basin; Sonoma & Marin Counties north and west of the Napa River, Sonoma Creek & Petaluma River drainages which flow into San Francisco Bay, & north of the Walker Creek drainage which flows to the Pacific Ocean.

Rana muscosa

Sierra Madre yellow-legged frog

- 1) Federal listing refers to populations in the San Gabriel, San Jacinto, & San Bernardino Mountains only.
- 2) Federal Candidate status refers to all populations that occur north of the Tehachapi Mountains in the Sierra Nevada.
- 3) *Rana muscosa* has been split into *Rana sierrae*, the Sierra Nevada yellow-legged frog, found in the northern and central Sierra Nevada and *Rana muscosa*, the Sierra Madre yellow-legged frog, found in the southern Sierra Nevada and southern California.

Rana sierrae

Sierra Nevada yellow-legged frog

- 1) Federal candidate status refers to all populations that occur north of the Tehachapi Mountains in the Sierra Nevada.
- 2) Formerly *Rana muscosa*. *Rana muscosa* has been split into *Rana sierrae*, the Sierra Nevada yellow-legged frog, found in the northern and central Sierra Nevada and *Rana muscosa*, the Sierra Madre yellow-legged frog, found in the southern Sierra Nevada and southern California.

Reptiles

HELODERMATIDAE (venomous lizards)

Heloderma suspectum cinctum

banded gila monster

- 1) The BLM "Sensitive Species" designation refers to the full species.

BOIDAE (boas)

Charina trivirgata

rosy boa

- 1) The Forest Service "Sensitive" designation refers only to the subspecies *roseofusca*.

Birds

PHASIANIDAE (grouse and ptarmigan)

Dendragapus fuliginosus howardi

Mount Pinos sooty grouse

- 1) Formerly merged with *D. obscurus* as blue grouse, but separated on the basis of genetic evidence and differences in voice, behavior, & plumage.

CHARADRIIIDAE (plovers and relatives)

Charadrius alexandrinus nivosus

western snowy plover

- 1) Federal listing applies only to the Pacific coastal population
- 2) DFG "Species of Special Concern" designation refers to both the coastal & interior populations.

LARIDAE (gulls and terns)

Gelochelidon nilotica

gull-billed tern

- 1) Taxonomy recently changed from *Sterna nilotica*

Hydroprogne caspia

Caspian tern

- 1) Taxonomy recently changed from *Sterna caspia*

Sternula antillarum browni

California least tern

- 1) Taxonomy recently changed from *Sterna antillarum browni*.

Birds

LARIDAE (gulls and terns)

Thalasseus elegans

elegant tern

- 1) Taxonomy recently changed from *Sterna elegans*

STRIGIDAE (owls)

Athene cunicularia

burrowing owl

- 1) Wintering observations with or without a burrow in San Francisco, Ventura, Sonoma, Marin, Napa & Santa Cruz Counties.

Strix occidentalis caurina

northern spotted owl

- 1) There are no northern spotted owl EO's in the CNDDDB. All northern spotted owl location information is maintained in a separate data layer. This layer is packaged with the CNDDDB layer in BIOS. All RareFind subscribers have access to this information through BIOS (<http://BIOS.dfg.ca.gov>)

TYRANNIDAE (tyrant flycatchers)

Empidonax traillii

willow flycatcher

- 1) State listing of the full species includes all subspecies

Empidonax traillii brewsteri

little willow flycatcher

- 1) State listing of the full species includes all subspecies

Empidonax traillii extimus

southwestern willow flycatcher

- 1) State listing of the full species includes all subspecies

LANIIDAE (shrikes)

Lanius ludovicianus mearnsi

San Clemente loggerhead shrike

- 1) Subspecific identity of shrikes currently on San Clemente is uncertain. Mundy et al. (1997a, b) provided evidence *L. l. mearnsi* is genetically distinct from *L. l. gambeli* and *L. l. anthonyi*, whereas Patten and Campbell (2000) concluded, based on morphology, that the birds now on San Clemente are intergrades between *L. l. mearnsi* and *L. l. anthonyi*.

TROGLODYTIDAE (wrens)

Campylorhynchus brunneicapillus sandiegensis

coastal cactus wren

- 1) Nomenclature follows the draft DFG Bird Species of Special Concern report.

SYLVIIDAE (gnatcatchers)

Polioptila californica californica

coastal California gnatcatcher

- 1) AKA Alta California gnatcatcher

MIMIDAE (mockingbirds and thrashers)

Toxostoma lecontei

Le Conte's thrasher

- 1) The BLM "Sensitive Species" designation refers to the subspecies *Toxostoma lecontei macmillanorum*.
- 2) DFG "Species of Special Concern" designation refers only to the San Joaquin population, AKA *T. l. macmillanorum*.

PARULIDAE (wood-warblers)

Geothlypis trichas sinuosa

saltmarsh common yellowthroat

- 1) AKA San Francisco common yellowthroat

EMBERIZIDAE (sparrows, buntings, warblers, & relatives)

Amphispiza belli clementae

San Clemente sage sparrow

Birds

EMBERIZIDAE (sparrows, buntings, warblers, & relatives)

Amphispiza belli clementae

San Clemente sage sparrow

- 1) Subspecific validity uncertain. Recognized by AOU (1957), but not by Patten and Unit (2002).

Melospiza melodia graminea, sensu

Channel Island song sparrow

- 1) Subspecific validity is uncertain. This subspecies when referred to as Santa Barbara song sparrow is extinct. However, the subspecies was merged by Patten (2001) with the San Miguel (M. m. micronyx), and San Clemente (M. m. clementae) song sparrows as the Channel Island song sparrow with the subspecific name M. m. graminea.

Piranga flava

hepatic tanager

- 1) According to The A.O.U. Check-list of North American Birds, Seventh Edition, this species is probably misplaced in the current phylogenetic listing but for which data indicating proper placement are not yet available.

Piranga rubra

summer tanager

- 1) According to The A.O.U. Check-list of North American Birds, Seventh Edition, this species is probably misplaced in the current phylogenetic listing but for which data indicating proper placement are not yet available.

Mammals

TALPIDAE (moles)

Scapanus latimanus insularis

Angel Island mole

- 1) The IUCN "Least Concern" designation refers to the full species.

Scapanus latimanus parvus

Alameda Island mole

- 1) The IUCN "Least Concern" designation refers to the full species.

SORICIDAE (shrews)

Sorex ornatus relicta

Buena Vista Lake shrew

- 1) The IUCN "Least Concern" designation refers to the full species.

Sorex ornatus salarius

Monterey shrew

- 1) The IUCN "Least Concern" designation refers to the full species.

Sorex ornatus salicornicus

southern California saltmarsh shrew

- 1) The IUCN "Least Concern" designation refers to the full species.

Sorex ornatus sinuosus

Suisun shrew

- 1) The IUCN "Least Concern" designation refers to the full species.

Sorex ornatus willetti

Santa Catalina shrew

- 1) The IUCN "Least Concern" designation refers to the full species.

Sorex vagrans halicoetes

salt-marsh wandering shrew

- 1) The IUCN "Least Concern" designation refers to the full species.

Sorex vagrans paludivagus

Monterey vagrant shrew

- 1) The IUCN "Least Concern" designation refers to the full species.

Mammals

PHYLLOSTOMIDAE (leaf-nosed bats)

Leptonycteris yerbabuenae

lesser long-nosed bat

- 1) Listed by the U.S. Fish & Wildlife Service as *Leptonycteris curasoae yerbabuenae*.

VESPERTILIONIDAE (evening bats)

Lasius slossonae

western red bat

- 1) The DFG "Species of Special Concern" designation is based on the draft updated Mammalian Species of Special Concern report.

Lasius xanthinus

western yellow bat

- 1) The DFG "Species of Special Concern" designation is based on the draft updated Mammalian Species of Special Concern report.

OCHOTONIDAE (pikas)

Ochotona princeps albata

Mt. Whitney pika

- 1) The IUCN "Least Concern" designation refers to the full species.

Ochotona princeps muiri

Yosemite pika

- 1) The IUCN "Least Concern" designation refers to the full species.

Ochotona princeps schisticeps

gray-headed pika

- 1) The IUCN "Least Concern" designation refers to the full species.

Ochotona princeps sheltoni

White Mountains Pika

- 1) The IUCN "Least Concern" designation refers to the full species.

Ochotona princeps taylori

Taylor pika

- 1) The IUCN "Least Concern" designation refers to the full species.

LEPORIDAE (rabbits and hares)

Lepus americanus klamathensis

Oregon snowshoe hare

- 1) The IUCN "Least Concern" designation refers to the full species.

Lepus americanus tahoensis

Sierra Nevada snowshoe hare

- 1) The IUCN "Least Concern" designation refers to the full species.

Lepus californicus bennettii

San Diego black-tailed jackrabbit

- 1) The IUCN "Least Concern" designation refers to the full species.

Lepus townsendii townsendii

western white-tailed jackrabbit

- 1) The IUCN "Least Concern" designation refers to the full species.

Sylvilagus bachmani riparius

riparian brush rabbit

- 1) The IUCN "Least Concern" designation refers to the full species.

SCIURIDAE (squirrels and relatives)

Glaucomys sabrinus californicus

San Bernardino flying squirrel

- 1) The IUCN "Least Concern" designation refers to the full species.

Mammals

SCIURIDAE (squirrels and relatives)

Neotamias panamintinus acrus

Kingston Mountain chipmunk

- 1) The IUCN "Least Concern" designation refers to the full species.

Neotamias speciosus callipeplus

Mount Pinos chipmunk

- 1) The IUCN "Least Concern" designation refers to full species.

Neotamias speciosus speciosus

lodgepole chipmunk

- 1) The IUCN "Least Concern" designation refers to the full species.

Spermophilus lateralis bernardinus

San Bernardino ground squirrel

- 1) The IUCN "Least Concern" designation refers to the full species.

HETEROMYIDAE (kangaroo rats, pockets mice, & kangaroo mice)

Chaetodipus californicus femoralis

Dulzura pocket mouse

- 1) The IUCN "Least Concern" designation refers to the full species.

Chaetodipus fallax fallax

northwestern San Diego pocket mouse

- 1) The DFG "Species of Special Concern" designation refers to the full species.

Dipodomys californicus eximius

Marysville California kangaroo rat

- 1) The IUCN "Least Concern" designation refers to the full species.

Dipodomys stephensi

Stephens' kangaroo rat

- 1) Previously had the IUCN designation of "Conservation Dependent" which is no longer used.

Dipodomys venustus elephantinus

big-eared kangaroo rat

- 1) The IUCN "Least Concern" designation refers to the full species.

Dipodomys venustus venustus

Santa Cruz kangaroo rat

- 1) The IUCN "Least Concern" designation refers to the full species.

Perognathus alticola alticola

white-eared pocket mouse

- 1) The DFG "Species of Special Concern" and the BLM "Sensitive Species" designations refer to the full species.

Perognathus alticola inexpectatus

Tehachapi pocket mouse

- 1) The DFG "Species of Special Concern" designation refers to the full species.

Perognathus inornatus inornatus

San Joaquin pocket mouse

- 1) The IUCN "Least Concern" designation refers to the full species.

MURIDAE (mice, rats, and voles)

Neotoma albigena venusta

Colorado Valley woodrat

- 1) The IUCN "Least Concern" designation refers to the full species.

Neotoma fuscipes riparia

riparian (=San Joaquin Valley) woodrat

Mammals

MURIDAE (mice, rats, and voles)

Neotoma fuscipes riparia

riparian (=San Joaquin Valley) woodrat

- 1) This species is currently undergoing taxonomic revision

Reithrodontomys megalotis distichlis

Salinas harvest mouse

- 1) The IUCN "Least Concern" designation refers to the full species.

Reithrodontomys megalotis santacruzae

Santa Cruz harvest mouse

- 1) Synonomous with *Reithrodontomys megalotus longicaudus*, Santa Cruz Island Population.
- 2) The IUCN "Least Concern" designation refers to the full species.

DIPODIDAE (jumping mice)

Zapus trinotatus orarius

Point Reyes jumping mouse

- 1) Previously had the IUCN designation of "Conservation Dependent" which is no longer used.

CANIDAE (foxes, wolves, and coyotes)

Urocyon littoralis

island fox

- 1) State listing includes all subspecies on all islands. Federal listing does not include San Nicolas & San Clemente islands.

Vulpes macrotis mutica

San Joaquin kit fox

- 1) The IUCN "Least Concern" designation refers to the full species.

MUSTELIDAE (weasels and relatives)

Enhydra lutris nereis

southern sea otter

- 1) The IUCN "Endangered" designation refers to the full species.

Lontra canadensis sonora

southwestern river otter

- 1) The IUCN "Least Concern" designation refers to the full species.

Martes americana humboldtensis

Humboldt marten

- 1) The IUCN "Least Concern" designation and the U.S. Forest Service "Sensitive" designation refer to the full species.

Martes americana sierrae

Sierra marten

- 1) The IUCN "Least Concern" designation and the U.S. Forest Service "Sensitive" designation refer to the full species.

Martes pennanti (pacifica) DPS

Pacific fisher

- 1) The subspecies *pacifica* is no longer considered a valid subspecies. The Pacific fisher is now considered to be a distinct population segment (DPS).
- 2) Federal candidate status refers to the distinct population segment in Washington, Oregon & California.

BOVIDAE (sheep and relatives)

Ovis canadensis nelsoni

Nelson's bighorn sheep

- 1) Previously had the IUCN designation "Conservation Dependent" which is no longer used.

Ovis canadensis nelsoni DPS

peninsular bighorn sheep

- 1) The subspecies *O. c. cremnobates* has been synonymized with *O. c. nelsoni*. Peninsular bighorn sheep are now considered to be a Distinct Population Segment (DPS).

Mammals

BOVIDAE (sheep and relatives)

Ovis canadensis sierrae

Sierra Nevada bighorn sheep

- 1) Previously had the IUCN designation "Conservation Dependent" which is no longer used.